

Andrew Freistein 10/804, 558

## Connecting via Winsock to STN

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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

Enter NEWS followed by the item number or name to see news on that specific topic.

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research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 15:53:34 ON 23 JUN 2006

FILE 'REGISTRY' ENTERED AT 15:53:49 ON 23 JUN 2006  
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 22 JUN 2006 HIGHEST RN 889059-26-1  
DICTIONARY FILE UPDATES: 22 JUN 2006 HIGHEST RN 889059-26-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

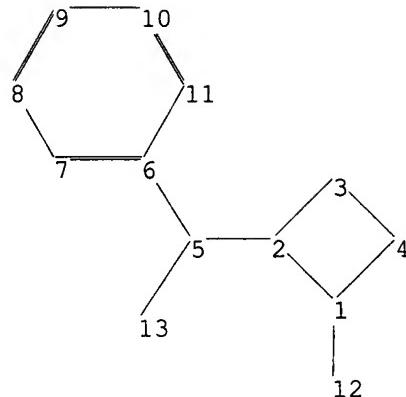
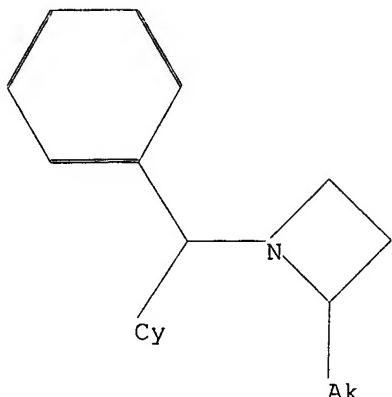
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*****
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005. A new display format, IDERL, is now      *
* available and contains the CA role and document type information. *
*****
```

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/reqprops.html>

=>  
Uploading C:\Program Files\Stnexp\Queries\10804558\c.str



```
chain nodes :
5 12 13
ring nodes :
1 2 3 4 6 7 8 9 10 11
chain bonds :
1-12 2-5 5-6 5-13
ring bonds :
1-2 1-4 2-3 3-4 6-7 6-11 7-8 8-9 9-10 10-11
exact/norm bonds :
1-2 1-4 1-12 2-3 2-5 3-4 5-13
exact bonds :
5-6
normalized bonds :
6-7 6-11 7-8 8-9 9-10 10-11

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:CLASS 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:CLASS 13:Atom
```

L1           STRUCTURE UPLOADED

```
=> s 11
SAMPLE SEARCH INITIATED 15:54:01 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 65857 TO ITERATE
```

```
3.0% PROCESSED       2000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01
```

1 ANSWERS

```
FULL FILE PROJECTIONS: ONLINE   **INCOMPLETE**
                          BATCH    **COMPLETE**
PROJECTED ITERATIONS:    1301860 TO 1332420
PROJECTED ANSWERS:       314 TO     1002
```

L2           1 SEA SSS SAM L1

```
=> s 11 full
FULL SEARCH INITIATED 15:54:05 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1316565 TO ITERATE
```

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<-----User Break----->

27.7% PROCESSED 364395 ITERATIONS  
SEARCH ENDED BY USER  
SEARCH TIME: 00.00.06

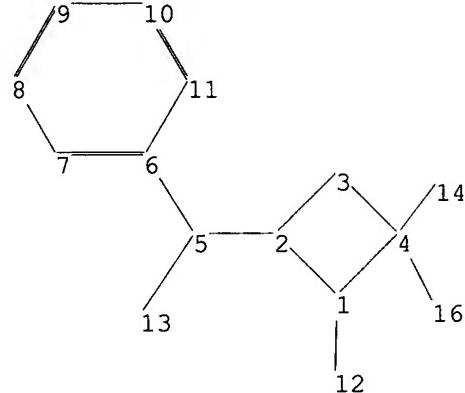
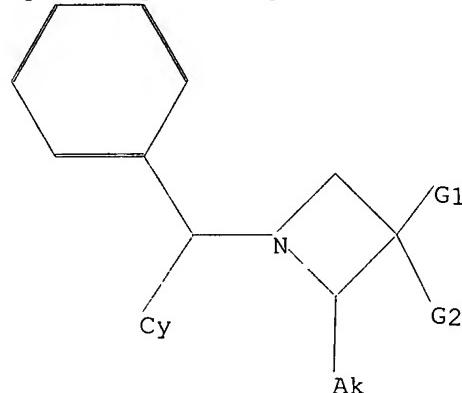
10 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*INCOMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 1316565 TO 1316565  
PROJECTED ANSWERS: 18 TO 54

L3 10 SEA SSS FUL L1

=>

Uploading C:\Program Files\Stnexp\Queries\10804558\c2.str



chain nodes :  
5 12 13 14 16  
ring nodes :  
1 2 3 4 6 7 8 9 10 11  
chain bonds :  
1-12 2-5 4-14 4-16 5-6 5-13  
ring bonds :  
1-2 1-4 2-3 3-4 6-7 6-11 7-8 8-9 9-10 10-11  
exact/norm bonds :  
1-2 1-4 1-12 2-3 2-5 3-4 4-14 4-16 5-13  
exact bonds :  
5-6  
normalized bonds :  
6-7 6-11 7-8 8-9 9-10 10-11

G1:H,COOH,CN,Ak

G2:O,N

Match level :  
1:Atom 2:Atom 3:Atom 4:Atom 5:CLASS 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:Atom 12:CLASS 13:Atom 14:CLASS 16:CLASS

L4 STRUCTURE UPLOADED

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=> s 14

SAMPLE SEARCH INITIATED 15:56:06 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 5916 TO ITERATE

33.8% PROCESSED 2000 ITERATIONS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

2 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 113709 TO 122931  
PROJECTED ANSWERS: 2 TO 263

L5 2 SEA SSS SAM L4

=> s 14 full  
FULL SEARCH INITIATED 15:56:12 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 118422 TO ITERATE

100.0% PROCESSED 118422 ITERATIONS 149 ANSWERS  
SEARCH TIME: 00.00.02

L6 149 SEA SSS FUL L4

=> file hcaplus  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
ENTRY SESSION  
FULL ESTIMATED COST 334.76 334.97

FILE 'HCAPLUS' ENTERED AT 15:56:17 ON 23 JUN 2006  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
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FILE COVERS 1907 - 23 Jun 2006 VOL 145 ISS 1  
FILE LAST UPDATED: 22 Jun 2006 (20060622/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 16  
L7 29 L6

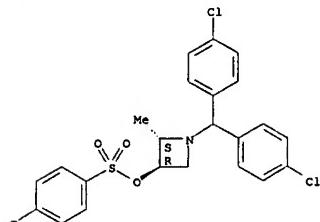
=> d ibib hitstr 1-29

L7 ANSWER 1 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2005-902852 HCPLUS  
 DOCUMENT NUMBER: 143:248268  
 TITLE: Preparation of  
 N-[bis(4-chlorophenyl)methyl]azetidines  
 as CB1 cannabinoid receptor antagonists  
 INVENTOR(S): Cuberes Altisen, Rosa; Frigola Constanta, Jordi;  
 Gutierrez Silva, Bonifacio  
 PATENT ASSIGNEE(S): Laboratorios del Esteve S. A., Spain  
 SOURCE: PCT Int. Appl., 119 pp.  
 CODEN: PIXX02  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005077897	A1	20050825	WO 2005-EPI658	20050216
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SV, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GI, KE, LS, MW, MZ, NA, SD, SI, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, QQ, GW, MI, MR, NE, NS, TD, TG			
US 2005187208	A1	20050825	US 2004-804558	20040319
PRIORITY APPLN. INFO.:			US 2004-4000379	A 20040217
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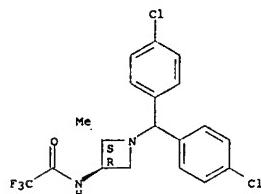
OTHER SOURCE(S): MARPAT 143:248268  
 IT 863106-38-1P 863106-39-2P 863106-40-5P  
 863106-41-6P 863106-42-7P 863106-43-8P  
 863106-44-9P 863106-46-1P 863106-47-2P  
 863106-48-3P 863106-49-4P 863106-50-7P  
 863106-51-8P 863106-52-9P 863106-53-0P  
 863106-54-1P 863106-55-2P 863106-56-3P  
 863106-57-4P 863106-58-5P 863106-59-6P  
 863106-60-9P 863106-61-0P 863106-62-1P  
 863106-63-2P 863106-65-4P 863106-67-6P  
 863106-69-9P 863106-71-2P 863106-72-3P  
 863106-73-4P 863106-74-5P 863106-75-6P  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (Usea) (claimed compound; preparation of bischlorophenylmethylazetidines as  
 CB1 cannabinoid receptor antagonists)  
 RN 863106-38-1 HCPLUS  
 CN Benzenesulfonic acid, 4-fluoro-, (2R,3S)-1-[bis(4-chlorophenyl)methyl]-2-methyl-3-azetidinyl ester, rel- (9CI) (CA INDEX NAME)

L7 ANSWER 1 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 Relative stereochemistry.



RN 863106-39-2 HCPLUS  
 CN Acetamide,  
 N-[(2S,3R)-1-[bis(4-chlorophenyl)methyl]-2-methyl-3-azetidinyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

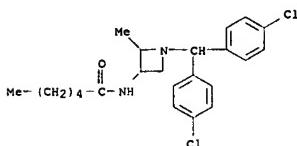


RN 863106-40-5 HCPLUS  
 CN 3-Azetidinamine, 1-[bis(4-chlorophenyl)methyl]-2-methyl-, (2S,3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

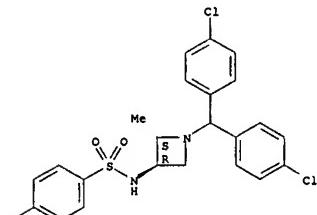
L7 ANSWER 1 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 863106-41-6 HCPLUS  
 CN Hexanamide, N-[1-[bis(4-chlorophenyl)methyl]-2-methyl-3-azetidinyl]- (9CI) (CA INDEX NAME)



RN 863106-42-7 HCPLUS  
 CN Benzenesulfonamide, N-[(2S,3R)-1-[bis(4-chlorophenyl)methyl]-2-methyl-3-azetidinyl]-4-fluoro- (9CI) (CA INDEX NAME)

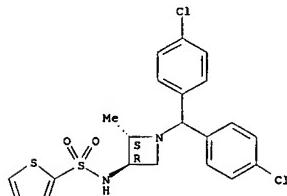
Absolute stereochemistry. Rotation (-).



L7 ANSWER 1 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN (Continued)

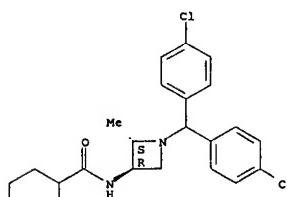
RN 863106-43-8 HCPLUS  
 CN 2-Thiophenesulfonamide,  
 N-[(2S,3R)-1-[bis(4-chlorophenyl)methyl]-2-methyl-3-azetidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



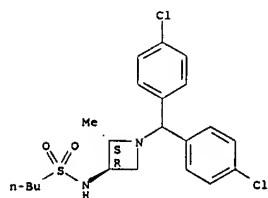
RN 863106-44-9 HCPLUS  
 CN Cyclohexanecarboxamide,  
 N-[(2S,3R)-1-[bis(4-chlorophenyl)methyl]-2-methyl-3-azetidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



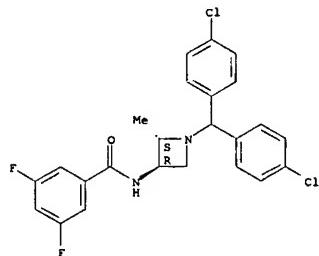
RN 863106-46-1 HCPLUS  
 CN 1-Butanesulfonamide, N-[(2S,3R)-1-[bis(4-chlorophenyl)methyl]-2-methyl-3-azetidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



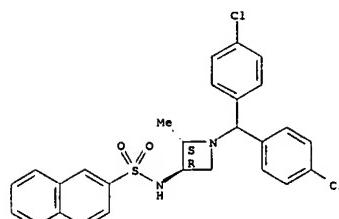
RN 863106-47-2 HCAPLUS  
CN Benzamide,  
N-[(2S,3R)-1-(bis(4-chlorophenyl)methyl)-2-methyl-3-azetidinyl]-  
3,5-difluoro-, rel- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



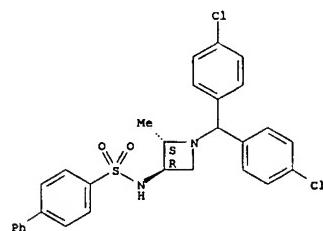
RN 863106-48-3 HCAPLUS  
CN 2-Naphthalenesulfonamide, N-[(2R,3S)-1-(bis(4-chlorophenyl)methyl)-2-  
methyl-3-azetidinyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



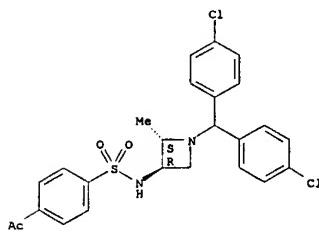
RN 863106-49-4 HCAPLUS  
CN [1,1'-Biphenyl]-4-sulfonamide,  
N-[(2R,3S)-1-(bis(4-chlorophenyl)methyl)-2-  
methyl-3-azetidinyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



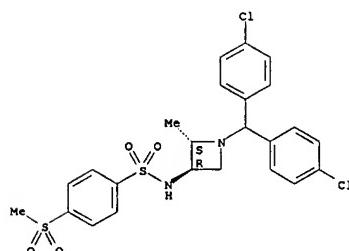
RN 863106-50-7 HCAPLUS  
CN Benzenesulfonamide, 4-acetyl-N-[(2R,3S)-1-(bis(4-chlorophenyl)methyl)-2-  
methyl-3-azetidinyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



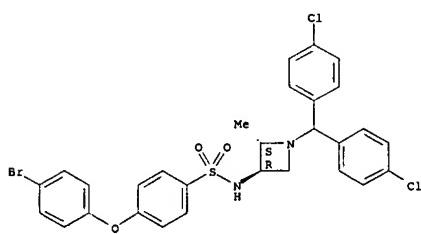
RN 863106-51-8 HCAPLUS  
CN Benzenesulfonamide, N-[(2R,3S)-1-(bis(4-chlorophenyl)methyl)-2-methyl-3-  
azetidinyl]-4-(4-bromophenoxy)-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



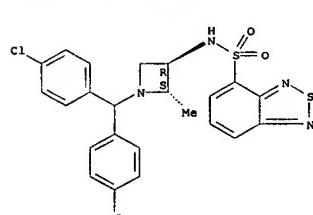
RN 863106-53-0 HCAPLUS  
CN 2,1,3-Benzothiadiazole-4-sulfonamide, N-[(2R,3S)-1-(bis(4-  
chlorophenyl)methyl)-2-methyl-3-azetidinyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 863106-52-9 HCAPLUS  
CN Benzenesulfonamide, N-[(2R,3S)-1-(bis(4-chlorophenyl)methyl)-2-methyl-3-  
azetidinyl]-4-(methylsulfonyl)-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

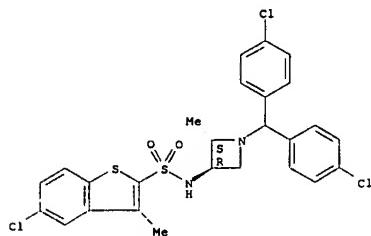


RN 863106-54-1 HCAPLUS  
CN Benzo[b]thiophene-2-sulfonamide,  
N-[(2R,3S)-1-(bis(4-chlorophenyl)methyl)-  
2-methyl-3-azetidinyl]-5-chloro-3-methyl-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

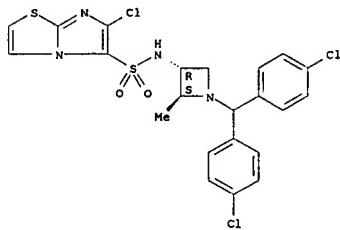
L7 ANSWER 1 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN

(Continued)



RN 863106-55-2 HCAPLUS  
 CN Imidazo[2,1-b]thiazole-5-sulfonamide, N-[(2R,3S)-1-[bis(4-chlorophenyl)methyl]-2-methyl-3-azetidinyl]-6-chloro-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

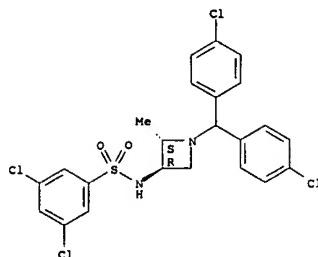


RN 863106-56-3 HCAPLUS  
 CN Benzenesulfonamide, N-[(2R,3S)-1-[bis(4-chlorophenyl)methyl]-2-methyl-3-azetidinyl]-3,5-dichloro-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

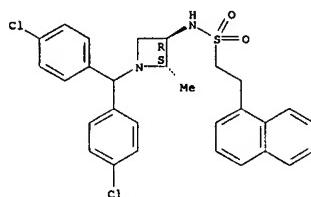
L7 ANSWER 1 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN

(Continued)



RN 863106-57-4 HCAPLUS  
 CN 1-Naphthaleneethanesulfonamide,  
 N-[(2R,3S)-1-[bis(4-chlorophenyl)methyl]-2-methyl-3-azetidinyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

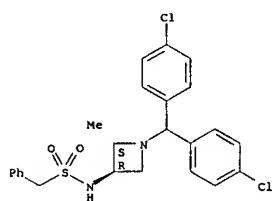


RN 863106-58-5 HCAPLUS  
 CN Benzenemethanesulfonamide, N-[(2R,3S)-1-[bis(4-chlorophenyl)methyl]-2-methyl-3-azetidinyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

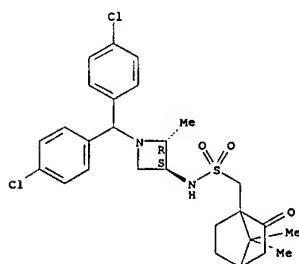
L7 ANSWER 1 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN

(Continued)



RN 863106-59-6 HCAPLUS  
 CN Bicyclo[2.2.1]heptane-1-methanesulfonamide, N-[(2R,3S)-1-[bis(4-chlorophenyl)methyl]-2-methyl-3-azetidinyl]-7,7-dimethyl-2-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

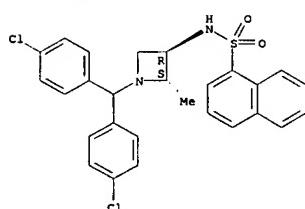


RN 863106-60-9 HCAPLUS  
 CN 1-Naphthalenesulfonamide, N-[(2R,3S)-1-[bis(4-chlorophenyl)methyl]-2-methyl-3-azetidinyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

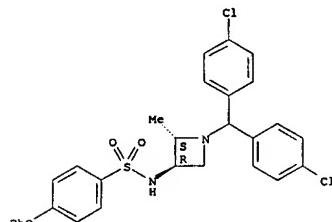
L7 ANSWER 1 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN

(Continued)



RN 863106-61-0 HCAPLUS  
 CN Benzenesulfonamide, N-[(2R,3S)-1-[bis(4-chlorophenyl)methyl]-2-methyl-3-azetidinyl]-4-phenoxy-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

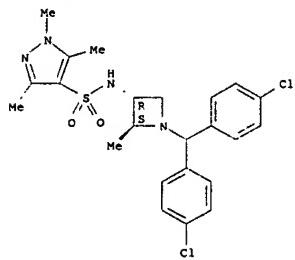


RN 863106-62-1 HCAPLUS  
 CN 1H-Pyrazole-4-sulfonamide, N-[(2R,3S)-1-[bis(4-chlorophenyl)methyl]-2-methyl-3-azetidinyl]-1,3,5-trimethyl-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

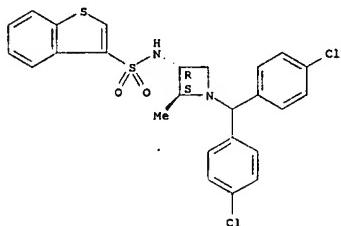
L7 ANSWER 1 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN

(Continued)



RN 863106-63-2 HCAPLUS  
CN Benzo[1]thiophene-3-sulfonamide,  
N-[(2R,3S)-1-[bis(4-chlorophenyl)methyl]-  
2-methyl-3-azetidinyl], rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

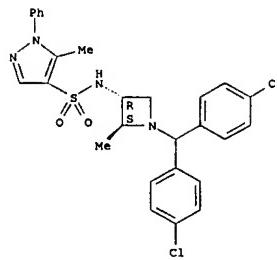


RN 863106-65-4 HCAPLUS  
CN 1H-Pyrazole-4-sulfonamide, N-[(2R,3S)-1-[bis(4-chlorophenyl)methyl]-  
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Relative stereochemistry.

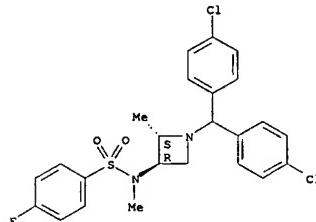
L7 ANSWER 1 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN

(Continued)



RN 863106-67-6 HCAPLUS  
CN Benzenesulfonamide, N-[(2R,3S)-1-[bis(4-chlorophenyl)methyl]-2-methyl-3-  
azetidinyl]-4-fluoro-N-methyl-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

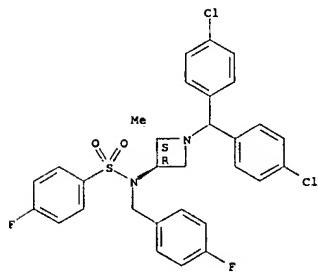


RN 863106-69-8 HCAPLUS  
CN Benzenesulfonamide, N-[(2R,3S)-1-[bis(4-chlorophenyl)methyl]-2-methyl-3-  
azetidinyl]-4-fluoro-N-[(4-fluorophenyl)methyl]-, rel- (9CI) (CA INDEX  
NAME)

Relative stereochemistry.

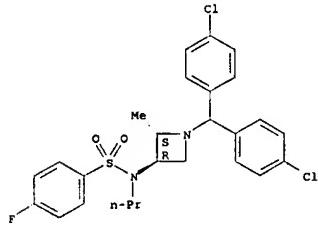
L7 ANSWER 1 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN

(Continued)



RN 863106-71-2 HCAPLUS  
CN Benzenesulfonamide, N-[(2R,3S)-1-[bis(4-chlorophenyl)methyl]-2-methyl-3-  
azetidinyl]-4-fluoro-N-propyl-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

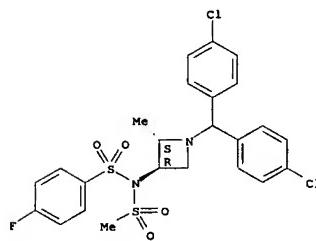


RN 863106-72-3 HCAPLUS  
CN Benzenesulfonamide, N-[(2R,3S)-1-[bis(4-chlorophenyl)methyl]-2-methyl-3-  
azetidinyl]-4-fluoro-N-(methylsulfonyl)-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

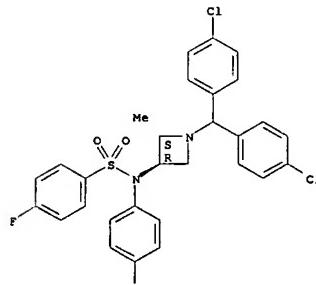
L7 ANSWER 1 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN

(Continued)



RN 863106-73-4 HCAPLUS  
CN Benzenesulfonamide, N-[(2R,3S)-1-[bis(4-chlorophenyl)methyl]-2-methyl-3-  
azetidinyl]-4-fluoro-N-(4-fluorophenyl)-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

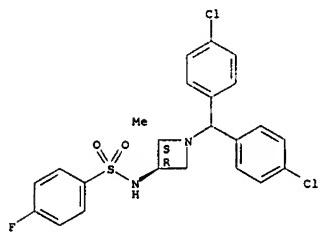


RN 863106-74-5 HCAPLUS  
CN Benzenesulfonamide, N-[(2R,3S)-1-[bis(4-chlorophenyl)methyl]-2-methyl-3-  
azetidinyl]-4-fluoro-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

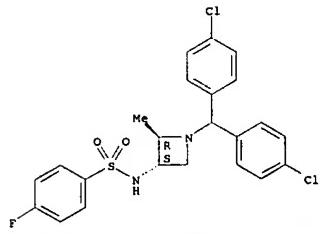
L7 ANSWER 1 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN

(Continued)



RN 863106-75-6 HCAPLUS  
CN Benzenesulfonamide, N-[(2R,3S)-1-[bis(4-chlorophenyl)methyl]-2-methyl-3-azetidinyl]-4-fluoro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



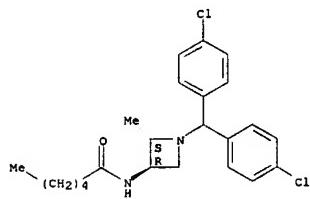
IT 863106-86-9P 863106-87-0P 863106-88-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of bischlorophenylmethyazetidines as CB<sub>1</sub> cannabinoid receptor antagonists)

RN 863106-86-9 HCAPLUS  
CN 3-Azetidinamine, 1-[bis(4-chlorophenyl)methyl]-2-methyl-, dihydrochloride, (2R,3S)- (9CI) (CA INDEX NAME)

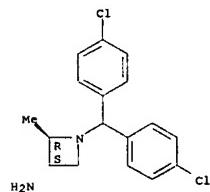
L7 ANSWER 1 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN

(Continued)



RN 863106-02-3 HCAPLUS  
CN 3-Azetidinamine, 1-[bis(4-chlorophenyl)methyl]-2-methyl-, (2R,3S)- (9CI) (CA INDEX NAME)

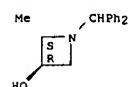
Absolute stereochemistry. Rotation (-).



IT 164906-64-3  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(preparation of bischlorophenylmethyazetidines as CB<sub>1</sub> cannabinoid receptor antagonists)

RN 164906-64-3 HCAPLUS  
CN 3-Azetidinol, 1-(diphenylmethyl)-2-methyl-, (2S,3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



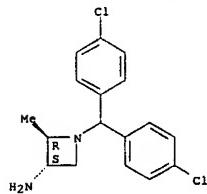
IT 106859-42-1P 132924-39-1P 133891-54-0P

06/23/2006

L7 ANSWER 1 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN

(Continued)

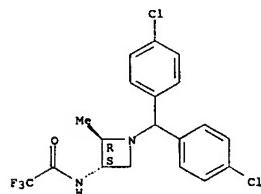
Absolute stereochemistry. Rotation (-).



● 2 HCl

RN 863106-87-0 HCAPLUS  
CN Acetamide, N-[(2R,3S)-1-[bis(4-chlorophenyl)methyl]-2-methyl-3-azetidinyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 863106-88-1 HCAPLUS  
CN Hexanamide, N-[(2S,3R)-1-[bis(4-chlorophenyl)methyl]-2-methyl-3-azetidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L7 ANSWER 1 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN

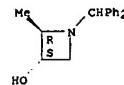
(Continued)

863106-76-7P 863106-78-9P 863106-80-3P  
863106-81-4P 863106-82-5P 863106-83-6P  
863106-84-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation of bischlorophenylmethyazetidines as CB<sub>1</sub> cannabinoid receptor antagonists)

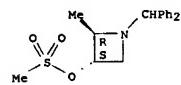
RN 106859-42-1 HCAPLUS  
CN 3-Azetidinol, 1-(diphenylmethyl)-2-methyl-, (2R,3S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



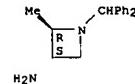
RN 132924-39-1 HCAPLUS  
CN 3-Azetidinol, 1-(diphenylmethyl)-2-methyl-, methanesulfonate (ester), (2R,3S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 133891-54-0 HCAPLUS  
CN 3-Azetidinamine, 1-(diphenylmethyl)-2-methyl-, (2R,3S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

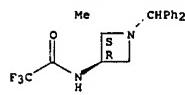


RN 863106-76-7 HCAPLUS  
CN Acetamide, N-[(2S,3R)-1-(diphenylmethyl)-2-methyl-3-azetidinyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

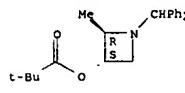
L7 ANSWER 1 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN

(Continued)



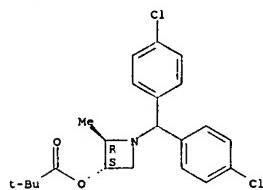
RN 863106-78-9 HCAPLUS  
CN Propanoic acid, 2,2-dimethyl-, (2R,3S)-1-(diphenylmethyl)-2-methyl-3-azetidinyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 863106-80-3 HCAPLUS  
CN Propanoic acid, 2,2-dimethyl-, (2R,3S)-1-(bis(4-chlorophenyl)methyl)-2-methyl-3-azetidinyl ester, rel- (9CI) (CA INDEX NAME)

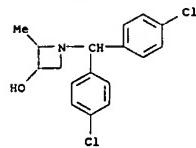
Relative stereochemistry.



RN 863106-81-4 HCAPLUS  
CN 3-Azetidinol, 1-(bis(4-chlorophenyl)methyl)-2-methyl- (9CI) (CA INDEX NAME)

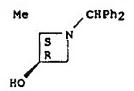
L7 ANSWER 1 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN

(Continued)



RN 863106-82-5 HCAPLUS  
CN 3-Azetidinol, 1-(diphenylmethyl)-2-methyl-, hydrochloride, (2S,3R)- (9CI) (CA INDEX NAME)

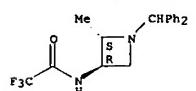
Absolute stereochemistry.



● HCl

RN 863106-83-6 HCAPLUS  
CN Acetamide, N-((2S,3R)-1-(diphenylmethyl)-2-methyl-3-azetidinyl)-2,2-trifluoro-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



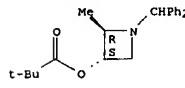
● HCl

RN 863106-84-7 HCAPLUS  
CN Propanoic acid, 2,2-dimethyl-, (2R,3S)-1-(diphenylmethyl)-2-methyl-3-azetidinyl ester, hydrochloride, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

L7 ANSWER 1 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN

(Continued)



● HCl

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2002-211737 HCAPLUS

DOCUMENT NUMBER: 137-232494

TITLE: Synthesis of 4-alkyl-1-benzhydryl-2-(methoxymethyl)azetidin-3-ols by regio- and stereoselective alkylation of 1-benzhydryl-3-(N-alkyl)imino-2-(methoxymethyl)azetidine

AUTHOR(S): Salgado, Antonio; Boeykens, Mark; Gauthier, Christine;

CORPORATE SOURCE: Declercq, Jean-Paul; De Kimpe, Norbert Faculty of Agricultural and Applied Biological Sciences, Department of Organic Chemistry, Ghent University, Ghent, B-9000, Belg.

SOURCE: Tetrahedron (2002), 58(14), 2763-2775

CODEN: TETRAD; ISSN: 0040-4020

PUBLISHER: Elsevier Science Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 137:232494

IT 459869-38-6P

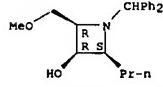
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (crystal structure; synthesis of 4-alkyl-1-benzhydryl-2-(methoxymethyl)azetidin-3-ols by regio- and stereoselective alkylation of 1-benzhydryl-3-(N-alkyl)imino-

2-(methoxymethyl)azetidine)

RN 459869-38-6 HCAPLUS

CN 3-Azetidinol, 1-(diphenylmethyl)-2-(methoxymethyl)-4-propyl-, (2R,3R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



IT 459869-37-5P 459869-39-7P 459869-40-0P

RL: SPN (Synthetic preparation); PREP (Preparation) (synthesis of 4-alkyl-1-benzhydryl-2-(methoxymethyl)azetidin-3-ols by regio- and stereoselective alkylation of

1-benzhydryl-3-(N-alkyl)imino-

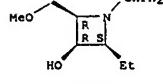
2-(methoxymethyl)azetidine)

RN 459869-37-5 HCAPLUS

CN 3-Azetidinol, 1-(diphenylmethyl)-2-ethyl-4-(methoxymethyl)-,

(2R,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



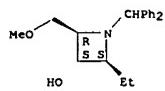
RN 459869-39-7 HCAPLUS

CN 3-Azetidinol, 1-(diphenylmethyl)-2-ethyl-4-(methoxymethyl)-,

L7 ANSWER 2 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN  
(2R,3S,4S)-rel- (9CI) (CA INDEX NAME)

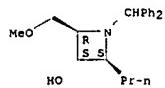
(Continued)

Relative stereochemistry.



RN 459869-40-0 HCAPLUS  
CN 3-Azetidinol, 1-(diphenylmethyl)-2-(methoxymethyl)-4-propyl-,  
(2R,3S,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



REFERENCE COUNT: 70 THERE ARE 70 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

L7 ANSWER 3 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN  
2000-41766 HCAPLUS

ACCESSION NUMBER: 132194588

DOCUMENT NUMBER:

TITLE:

•  $\beta$ -Lactams from D-erythroose-derived imines: a convenient synthesis of 2,3-diamino-2,3-dideoxy-D-mannonic-acid derivatives

Storz, Thomas; Bernet, Bruno; Vasella, Andrea

Laboratorium fur Organische Chemie, ETH-Zentrum,

Zurich, CH-8091, Switz.

Helvetica Chimica Acta (1999), 82(12), 2380-2412

CODEN: HCACAV; ISSN: 0018-019X

PUBLISHER: Verlag Helvetica Chimica Acta

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 259792-20-6P 259792-46-6P 259792-47-7P

RL: SPN (Synthetic preparation); PREP (Preparation)

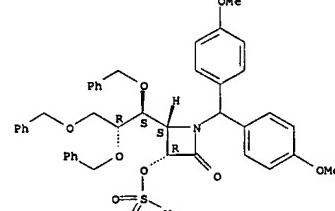
(preparation of  $\beta$ -lactams from D-erythroose-derived imines and a convenient synthesis of diaminodideoxymannonic acid derivs.)

RN 259792-20-6 HCAPLUS

CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-3-[(methylsulfonyl)oxy]-4-

[(1S,2R)-1,2,3-tris(phenylmethoxy)propyl]-, (3R,4S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

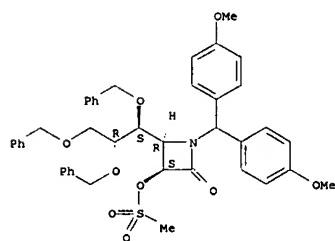


RN 259792-46-6 HCAPLUS

CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-3-[(methylsulfonyl)oxy]-4-[(1S,2R)-1,2,3-tris(phenylmethoxy)propyl]-, (3S,4R)- (9CI) (CA INDEX NAME)

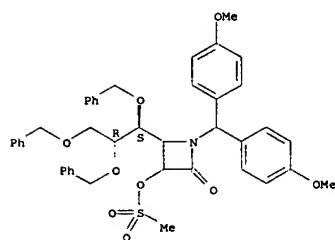
Absolute stereochemistry.

L7 ANSWER 3 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 259792-47-7 HCAPLUS  
CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-3-[(methylsulfonyl)oxy]-4-[(1S,2R)-1,2,3-tris(phenylmethoxy)propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 159 THERE ARE 159 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

L7 ANSWER 4 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN

1995-448575 HCAPLUS

ACCESSION NUMBER: 12383293

DOCUMENT NUMBER:

TITLE: 7-Azetidinylquinolones as Antibacterial Agents. 3.

Synthesis, Properties and Structure-Activity Relationships of the Stereoisomers Containing a 7-(3-amino-2-methyl-1-azetidinyl) Moiety

AUBREY, JORDI; VANO, DAVID; TORRENS, ANTONI;  
GOMEZ-GOMAR, ANGELS; ORTEGA, EDMUNDO; GARCIA-GRANADA,  
SANTIAGO

COPORATE SOURCE: Department of Medicinal Chemistry, Laboratorios Dr.

ESTEVE S.A., Barcelona, 08041, Spain

SOURCE: Journal of Medicinal Chemistry (1995), 38(7), 1203-15

CODEN: JMCMAR; ISSN: 0022-2623

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 138876-39-8P 138876-40-1P 164906-64-3P

RL: PUR (Purification or recovery); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

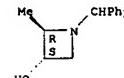
preparation and antibacterial activity of azetidinyl derivs.

quinoxalinones, naphthyridinones, and pyridobenzoxazinones)

RN 138876-39-8 HCAPLUS

CN 3-Azetidinol, 1-(diphenylmethyl)-2-methyl-, (2R-trans)- (9CI) (CA INDEX NAME)

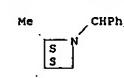
Absolute stereochemistry.



RN 138876-40-1 HCAPLUS

CN 3-Azetidinol, 1-(diphenylmethyl)-2-methyl-, (2S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



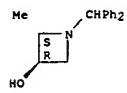
RN 164906-64-3 HCAPLUS

CN 3-Azetidinol, 1-(diphenylmethyl)-2-methyl-, (2S,3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

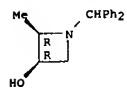
L7 ANSWER 4 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN

(Continued)



RN 164906-65-4 HCAPLUS  
CN 3-Azetidinol, 1-(diphenylmethyl)-2-methyl-, (2R-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



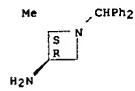
IT 161816-69-9P 164906-66-5P 164906-67-6P  
164906-68-7D 164906-69-8P 164906-70-1P  
164906-71-2P 164906-72-3P 164906-84-7P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and antibacterial activity of azetidinyl derivs.)

quinolinones, naphthyridinones, and pyridobenzoxazinones)

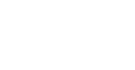
RN 161816-69-9 HCAPLUS  
CN 3-Azetidinamine, 1-(diphenylmethyl)-2-methyl-, (2S-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



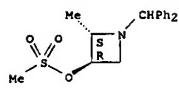
RN 164906-66-5 HCAPLUS  
CN 3-Azetidinol, 1-(diphenylmethyl)-2-methyl-, methanesulfonate (ester), (2S-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



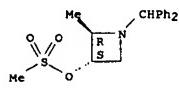
RN 164906-69-8 HCAPLUS  
CN 3-Azetidinol, 1-(diphenylmethyl)-2-methyl-, methanesulfonate (ester), (2R-cis)- (9CI) (CA INDEX NAME)

L7 ANSWER 4 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



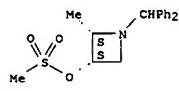
RN 164906-67-6 HCAPLUS  
CN 3-Azetidinol, 1-(diphenylmethyl)-2-methyl-, methanesulfonate (ester), (2R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



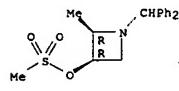
RN 164906-68-7 HCAPLUS  
CN 3-Azetidinol, 1-(diphenylmethyl)-2-methyl-, methanesulfonate (ester), (2S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 164906-69-8 HCAPLUS  
CN 3-Azetidinol, 1-(diphenylmethyl)-2-methyl-, methanesulfonate (ester), (2R-cis)- (9CI) (CA INDEX NAME)

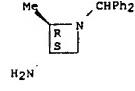
Absolute stereochemistry.



RN 164906-70-1 HCAPLUS  
CN 3-Azetidinamine, 1-(diphenylmethyl)-2-methyl-, (2R-trans)- (9CI) (CA INDEX NAME)

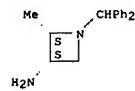
L7 ANSWER 4 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

Absolute stereochemistry.

H<sub>2</sub>N

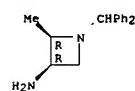
RN 164906-71-2 HCAPLUS  
CN 3-Azetidinamine, 1-(diphenylmethyl)-2-methyl-, (2S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

H<sub>2</sub>N

RN 164906-72-3 HCAPLUS  
CN 3-Azetidinamine, 1-(diphenylmethyl)-2-methyl-, (2R-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

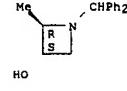


RN 164906-84-7 HCAPLUS  
CN Bicyclo[2.2.1]heptane-1-methanesulfonic acid, 7,7-dimethyl-2-oxo-, (1S)-, compd. with (2R-trans)-1-(diphenylmethyl)-2-methyl-3-azetidinol (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 138876-39-8  
CMF C17 H19 N O

Absolute stereochemistry.



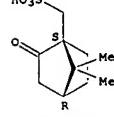
HO

L7 ANSWER 4 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CM 2

CRN 3144-16-9  
CMF C10 H16 O4 S

Absolute stereochemistry. Rotation (+).



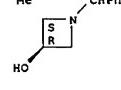
IT 165034-60-6P  
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
(preparation and x-ray anal. of)

RN 165034-60-6 HCAPLUS  
CN Bicyclo[2.2.1]heptane-1-methanesulfonic acid, 7,7-dimethyl-2-oxo-, (1R)-, compd. with (2S-trans)-1-(diphenylmethyl)-2-methyl-3-azetidinol (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 164906-64-3  
CMF C17 H19 N O

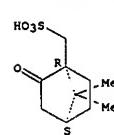
Absolute stereochemistry.



CM 2

CRN 35963-20-3  
CMF C10 H16 O4 S

Absolute stereochemistry. Rotation (-).

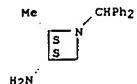


L7 ANSWER 4 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

IT 133963-11-0P 133963-13-0P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 133963-11-8 HCAPLUS  
CN 3-Azetidinamine, 1-(diphenylmethyl)-2-methyl-, dihydrochloride, (2S-cis)-  
(9CI) (CA INDEX NAME)

Absolute stereochemistry.

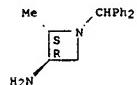


H2N

●2 HCl

RN 133963-13-0 HCAPLUS  
CN 3-Azetidinamine, 1-(diphenylmethyl)-2-methyl-, dihydrochloride,  
(2S-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



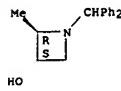
●2 HCl

IT 106859-42-1  
RL: ACT (Reactant); RACT (Reactant or reagent)  
(resolution of)

RN 106859-42-1 HCAPLUS  
CN 3-Azetidinol, 1-(diphenylmethyl)-2-methyl-, (2R,3S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

L7 ANSWER 4 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



HO

L7 ANSWER 5 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1995:393160 HCAPLUS  
DOCUMENT NUMBER: 122:213533  
TITLE: 1H NMR chiral analysis of benzhydrylamine derivatives  
using β-cyclodextrin. Solution geometry of  
host-guest complexes as determined by 1D NOE and  
ROESY  
experiments

AUTHOR(S): Redondo, J.; Frigola, J.; Torrens, A.; Lupon, P.  
CORPORATE SOURCE: Laboratorios Dr Esteve, Barcelona, E-08026, Spain  
SOURCE: Magnetic Resonance in Chemistry (1995), 33(2), 104-9  
CODEN: MRCHEG; ISSN: 0749-1581

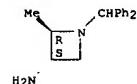
PUBLISHER: Wiley  
DOCUMENT TYPE: Journal  
LANGUAGE: English

IT 161816-65-5P 161816-67-7P 161816-68-8P  
161816-70-2P  
RL: RP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
(1H NMR chiral anal. of benzhydrylamine derivs. using  
β-cyclodextrin)

RN 161816-65-5 HCAPLUS  
CN β-Cyclodextrin, compd. with trans-1-(diphenylmethyl)-2-methyl-3-  
azetidinamine (2:1) (9CI) (CA INDEX NAME)

CM 1  
CRN 133891-54-0  
CMF C17 H20 N2

Relative stereochemistry.



H2N

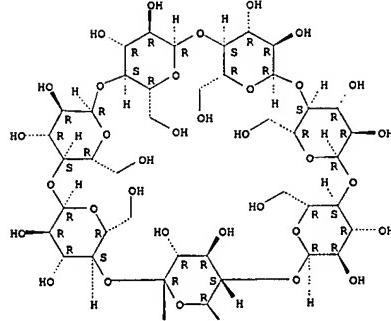
CM 2

CRN 7585-39-9  
CMF C42 H70 O35

Absolute stereochemistry.

L7 ANSWER 5 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

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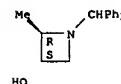


RN 161816-67-7 HCAPLUS  
CN β-Cyclodextrin, compd. with trans-1-(diphenylmethyl)-2-methyl-3-  
azetidinol (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 106859-42-1  
CMF C17 H19 N O

Relative stereochemistry.



HO

CM 2

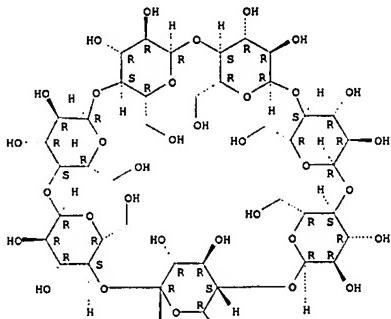
L7 ANSWER 5 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN

(Continued)

CRN 7585-39-9  
CMF C42 H70 O35

Absolute stereochemistry.

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RN 161816-68-8 HCAPLUS  
CN  $\beta$ -Cyclodextrin, compd. with trans-1-(diphenylmethyl)-2-methyl-3-azetidinol (1:1) (9CI) (CA INDEX NAME)

CM 1  
CRN 106859-42-1  
CMF C17 H19 N O

Relative stereochemistry.

L7 ANSWER 5 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN

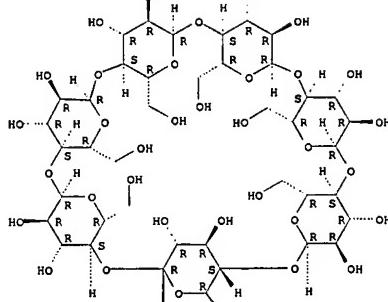
(Continued)

Me CHPh<sub>2</sub>

CM 2  
CRN 7585-39-9  
CMF C42 H70 O35

Absolute stereochemistry.

PAGE 1-A

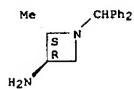


RN 161816-70-2 HCAPLUS

L7 ANSWER 5 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
CN  $\beta$ -Cyclodextrin, compd. with (2S-trans)-1-(diphenylmethyl)-2-methyl-3-azetidinamine (2:1) (9CI) (CA INDEX NAME)

CM 1  
CRN 161816-69-9  
CMF C17 H20 N 2

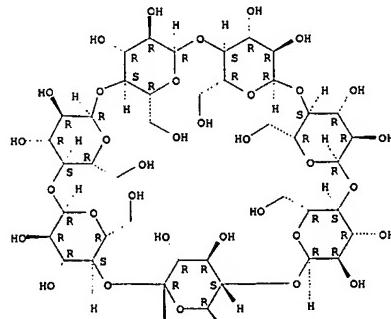
Absolute stereochemistry.



CM 2  
CRN 7585-39-9  
CMF C42 H70 O35

Absolute stereochemistry.

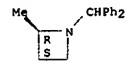
PAGE 1-A



PAGE 2-A

L7 ANSWER 6 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1995-196535 HCAPLUS  
 DOCUMENT NUMBER: 122-31298  
 TITLE: 7-Azetidinylquinolones as Antibacterial Agents. 2.  
 Synthesis and Biological Activity of  
 7-(2,3-Disubstituted-1-azetidinyl)-4-oxoquinoline-  
 and  
 -1,8-naphthyridine-3-carboxylic Acids. Properties and  
 Structure-Activity Relationships of Quinolones with  
 an  
 Azetidine Moiety  
 AUTHOR(S): Frigola, Jordi; Torrens, Antoni; Castrillo, Jose A.;  
 Mas, Josep; Vano, David; Berrocal, Juana M.; Calvet,  
 Carme; Salgado, Leonardo; Redondo, Jordi; et al.  
 CORPORATE SOURCE: Department of Medicinal Chemistry, Laboratorios Dr.  
 Esteve S. A., Barcelona, 08041, Spain  
 SOURCE: Journal of Medicinal Chemistry (1994), 37(24),  
 4195-210  
 CODEN: JMCMAR; ISSN: 0022-2623  
 DOCUMENT TYPE: Journal Article  
 LANGUAGE: English  
 IT 106859-42-1P 132924-39-1P 133891-54-0P  
 133891-62-0P 133891-71-1P 133891-73-3P  
 159556-69-1P 159556-70-4P 159556-73-7P  
 159556-74-8P 159556-75-9P 159556-76-0P  
 159556-77-1P 159556-78-2P 159651-60-2P  
 159651-61-3P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (synthesis and antibacterial activity of (disubstituted  
 azetidinyl)oxquinoline- and -naphthyridinecarboxylic acids)  
 RN 106859-42-1 HCAPLUS  
 CN 3-Azetidinol, 1-(diphenylmethyl)-2-methyl-, (2R,3S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



HO

RN 132924-39-1 HCAPLUS  
 CN 3-Azetidinol, 1-(diphenylmethyl)-2-methyl-, methanesulfonate (ester),  
 (2R,3S)-rel- (9CI) (CA INDEX NAME)

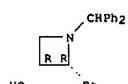
Relative stereochemistry.



MeNH

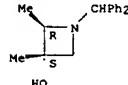
RN 159556-69-1 HCAPLUS  
 CN 3-Azetidinol, 1-(diphenylmethyl)-2-ethyl-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.

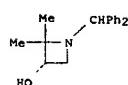


RN 159556-70-4 HCAPLUS  
 CN 3-Azetidinol, 1-(diphenylmethyl)-2,3-dimethyl-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.

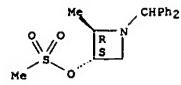


RN 159556-73-7 HCAPLUS  
 CN 3-Azetidinol, 1-(diphenylmethyl)-2,2-dimethyl- (9CI) (CA INDEX NAME)



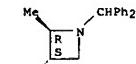
RN 159556-74-8 HCAPLUS  
 CN 3-Azetidinol, 1-(diphenylmethyl)-2-methyl-, methanesulfonate (ester),  
 cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



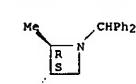
RN 133891-54-0 HCAPLUS  
 CN 3-Azetidinamine, 1-(diphenylmethyl)-2-methyl-, (2R,3S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



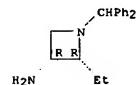
RN 133891-62-0 HCAPLUS  
 CN 3-Azetidinamine, 1-(diphenylmethyl)-N,2-dimethyl-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.

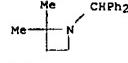


RN 133891-71-1 HCAPLUS  
 CN 3-Azetidinamine, 1-(diphenylmethyl)-2-ethyl-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



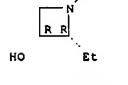
RN 133891-73-3 HCAPLUS  
 CN 3-Azetidinamine, 1-(diphenylmethyl)-2,2-dimethyl- (9CI) (CA INDEX NAME)



HO

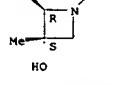
RN 159556-69-1 HCAPLUS  
 CN 3-Azetidinol, 1-(diphenylmethyl)-2-ethyl-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.

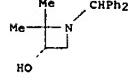


RN 159556-70-4 HCAPLUS  
 CN 3-Azetidinol, 1-(diphenylmethyl)-2,3-dimethyl-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.

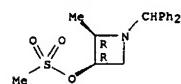


RN 159556-73-7 HCAPLUS  
 CN 3-Azetidinol, 1-(diphenylmethyl)-2,2-dimethyl- (9CI) (CA INDEX NAME)



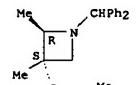
RN 159556-74-8 HCAPLUS  
 CN 3-Azetidinol, 1-(diphenylmethyl)-2-methyl-, methanesulfonate (ester),  
 cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.

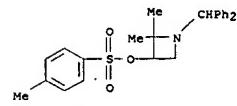


RN 159556-75-9 HCAPLUS  
 CN 3-Azetidinol, 1-(diphenylmethyl)-2,3-dimethyl-, methanesulfonate (ester),  
 trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.

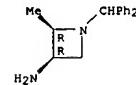


RN 159556-76-0 HCAPLUS  
 CN 3-Azetidinol, 1-(diphenylmethyl)-2,2-dimethyl-, 4-methylbenzenesulfonate  
 (ester) (9CI) (CA INDEX NAME)



RN 159556-77-1 HCAPLUS  
 CN 3-Azetidinamine, 1-(diphenylmethyl)-2-methyl-, cis- (9CI) (CA INDEX NAME)

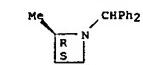
Relative stereochemistry.



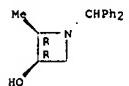
RN 159556-78-2 HCAPLUS  
 CN 3-Azetidinamine, 1-(diphenylmethyl)-N,N,2-trimethyl-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.

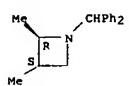
L7 ANSWER 6 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

Me<sub>2</sub>NRN 159651-60-2 HCAPLUS  
CN 3-Azetidinol, 1-(diphenylmethyl)-2-methyl-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.

RN 159651-61-3 HCAPLUS  
CN 3-Azetidinamine, 1-(diphenylmethyl)-2,3-dimethyl-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



Relative stereochemistry.

L7 ANSWER 7 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

ACCESSION NUMBER: 1995:4457 HCAPLUS  
DOCUMENT NUMBER: 122:56432

TITLE: The cycloaddition of monoalkylketenes to 2-oxoalcanoic

ester-derived imines: a concise stereoselective approach to  $\alpha,\beta$ -disubstituted  $\beta$ -lactams and 3,4-dialkylsubstituted  $\beta$ -lactams

AUTHOR(S): Palomo, Claudio; Aizpurua, Jesus M.; Galarza, Regina; Iturburu, Miren; Legido, Marta

CORPORATE SOURCE: Fac. Quim., Univ. País Vasco, San Sebastian, 20080, Spain

SOURCE: Bioorganic &amp; Medicinal Chemistry Letters (1993), 3(11), 2461-6

CODEN: BMCLE8; ISSN: 0960-894X

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 122:56432

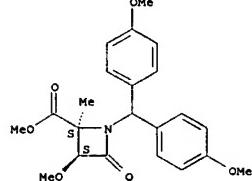
IT 160027-43-8P 160027-42-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation and saponification of)

RN 160027-41-8 HCAPLUS

CN 2-Azetidinecarboxylic acid, 1-[bis(4-methoxyphenyl)methyl]-3-methoxy-2-methyl-4-oxo-, methyl ester, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.

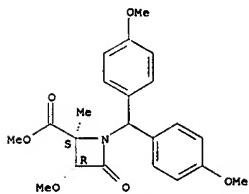


RN 160027-42-9 HCAPLUS

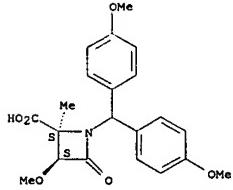
CN 2-Azetidinecarboxylic acid, 1-[bis(4-methoxyphenyl)methyl]-3-methoxy-2-methyl-4-oxo-, methyl ester, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.

L7 ANSWER 7 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

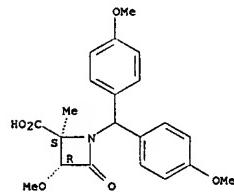
IT 160027-47-4P 160027-48-5P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation, acid chlorination, and radical dechlorocarbonylation of, stereochem. of)  
RN 160027-47-4 HCAPLUS  
CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-3-methoxy-2-methyl-4-oxo-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.

RN 160027-48-5 HCAPLUS  
CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-3-methoxy-2-methyl-4-oxo-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.

L7 ANSWER 7 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 160027-47-4 HCAPLUS

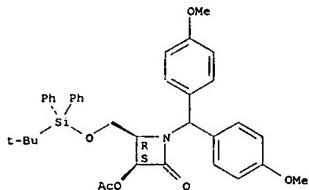
CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-3-methoxy-2-methyl-, cis- (9CI) (CA INDEX NAME)

L7 ANSWER 8 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1994:298456 HCPLUS  
 DOCUMENT NUMBER: 120:298456  
 TITLE: Preparation of 2-azetidinone ( $\beta$ -lactam) derivatives  
 INVENTOR(S): Sunakawa, Jun; Matsumura, Haruki  
 PATENT ASSIGNEE(S): Sumitomo Pharmaceuticals Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05310691	A2	19931122	JP 1992-148758	19920514
PRIORITY APPLN. INFO.:			JP 1992-148758	19920514

OTHER SOURCE(S): CASREACT 120:298456; MARPAT 120:298456  
 IT 154844-73-2P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and N-deprotection of)  
 RN 154844-73-2 HCPLUS  
 CN 2-Azetidinone, 3-(acetoxy)-1-[bis(4-methoxyphenyl)methyl]-4-[(1,1-dimethylethyl)diphenylsilyloxy]methyl-, cis- (9CI) (CA INDEX NAME)

## Relative stereochemistry.

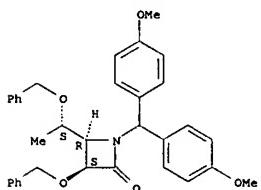


IT 154844-69-6P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 154844-69-6 HCPLUS  
 CN 2-Azetidinone, 3-(acetoxy)-4-[(acetoxy)methyl]-1-[bis(4-methoxyphenyl)methyl]-, cis- (9CI) (CA INDEX NAME)

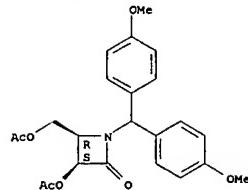
## Relative stereochemistry.

L7 ANSWER 9 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1993:192226 HCPLUS  
 DOCUMENT NUMBER: 118:192226  
 TITLE: A new entry to 1,3-polyols, 2-amino 1,3-polyols, and  $\beta$ -(1-hydroxyalkyl)lisserines using azetidinone frameworks as chiral templates via iterative asymmetric [2 + 2] cycloaddition reactions  
 AUTHOR(S): Palomo, Claudio; Alzpiruriz, Jesus M.; Urchegui, Raquel;  
 Garcia, Jesus M.  
 CORPORATE SOURCE: Fac. Quim., Univ. Pais Vasco, San Sebastian, 20080, Spain  
 SOURCE: Journal of Organic Chemistry (1993), 58(7), 1646-8  
 CODEN: JOCEAH; ISSN: 0022-3263  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 118:192226  
 IT 146860-90-4P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and oxidative dearylation of, with ceric ammonium nitrate)  
 RN 146860-90-4 HCPLUS  
 CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-3-(phenylmethoxy)-4-(1-(phenylmethoxy)ethyl)-, (3S-[3a,4a(R\*)])- (9CI) (CA INDEX NAME)

## Absolute stereochemistry.

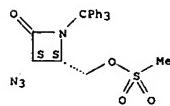


L7 ANSWER 8 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN (Continued)



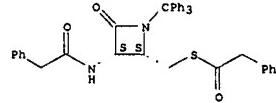
L7 ANSWER 10 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1993:38632 HCPLUS  
 DOCUMENT NUMBER: 118:38632  
 TITLE: Syntheses of novel isopenam and isocephem antibiotics.  
 AUTHOR(S): Hakimelahi, Ghola M.; Shiao, Min Jen; Hwu, Jih Ru; Davari, Hayd  
 CORPORATE SOURCE: Inst. Chem. Acad. Sin., Taipei, 11529, Taiwan  
 SOURCE: Helvetica Chimica Acta (1992), 75(6), 1840-7  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 145235-50-3P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and condensation of, with phenylthioacetate)  
 RN 145235-50-3 HCPLUS  
 CN 2-Azetidinone, 3-azido-4-[(methylsulfonyl)oxy]methyl-1-(triphenylmethyl)-, cis- (9CI) (CA INDEX NAME)

## Relative stereochemistry.



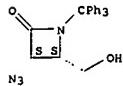
IT 145235-51-4P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and detritylation of)  
 RN 145235-51-4 HCPLUS  
 CN 2-Azetidinone, S-[(4-oxo-3-[(phenylacetyl)amino]-1-(triphenylmethyl)-2-azetidinyl)methyl] ester, cis- (9CI) (CA INDEX NAME)

## Relative stereochemistry.



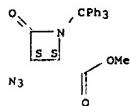
IT 145235-49-0P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and mesylation of)  
 RN 145235-49-0 HCPLUS  
 CN 2-Azetidinone, 3-azido-4-(hydroxymethyl)-1-(triphenylmethyl)-, cis- (9CI) (CA INDEX NAME)

L7 ANSWER 10 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN  
Relative stereochemistry.



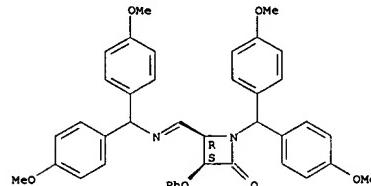
IT 145235-48-9P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation and reduction of)  
RN 145235-48-9 HCAPLUS  
CN 2-Azetidinecarboxylic acid, 3-azido-4-oxo-1-(triphenylmethyl)-, methyl ester, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L7 ANSWER 11 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1992:612190 HCAPLUS  
DOCUMENT NUMBER: 117:212190  
TITLE: Stereoselective preparation of mono- and bis- $\beta$ -lactams by the 1,4-diaza-1,3-diene - acid chloride condensation: scope and synthetic applications  
AUTHOR(S): Alcalde, Benito; Martin-Cantalejo, Yolanda; Perez-Castells, Javier; Rodriguez-Lopez, Julian; Sierra, Miguel A.; Monge, Angeles; Perez-Garcia, Virginia  
CORPORATE SOURCE: Fac. Quim. Univ. Complutense, Madrid, 28040, Spain  
SOURCE: Journal of Organic Chemistry (1992), 57(22), 5921-31  
CODEN: JOCEAH; ISSN: 0022-3263  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
IT 143902-47-0P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation and cyclocondensation of, with acid chlorides)  
RN 143902-47-0 HCAPLUS  
CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-4-[[[bis(4-methoxyphenyl)methyl]imino]methyl]-3-phenoxy-, cis- (9CI) (CA INDEX NAME)

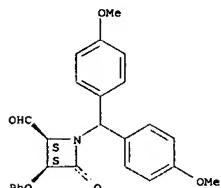
Relative stereochemistry.  
Double bond geometry unknown.



IT 143902-49-2P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)  
RN 143902-49-2 HCAPLUS  
CN 2-Azetidinonecarboxaldehyde,  
1-[bis(4-methoxyphenyl)methyl]-4-oxo-3-phenoxy-,  
, cis- (9CI) (CA INDEX NAME)

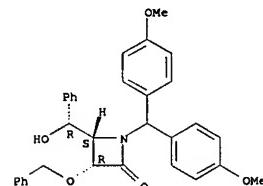
Relative stereochemistry.

L7 ANSWER 11 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



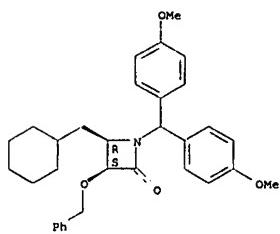
L7 ANSWER 12 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1992:408388 HCAPLUS  
DOCUMENT NUMBER: 117:8388  
TITLE: A stereoselective synthesis of the (2R,3S)- and (2S,3R)-3-amino-2-hydroxybutyric acid derivatives, the key components of a renin inhibitor and bestatin  
AUTHOR(S): Kobayashi, Yuko; Takemoto, Yoshiji; Kamijo, Tetsuhide  
CORPORATE SOURCE: Harada, Hiromu; Ito, Yoshio; Terashima, Shiro  
SOURCE: Sagami Chem. Res. Cent., Kanagawa, 229, Japan  
Tetrahedron (1992), 48(10), 1853-68  
CODEN: TETRAB; ISSN: 0040-4020  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 117:8388  
IT 130115-14-9P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation and Swern oxidation of, ketone from)  
RN 130115-14-9 HCAPLUS  
CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-4-(hydroxyphenylmethyl)-3-(phenylmethoxy)-, [3R-{3a,4a(R\*)}]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



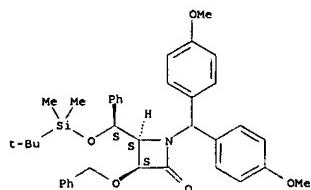
IT 129426-38-6P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation and acidic hydrolysis-ring cleavage of)  
RN 129426-38-6 HCAPLUS  
CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-4-(cyclohexylmethyl)-3-(phenylmethoxy)-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



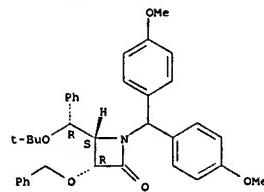
IT 130115-09-2P 130115-21-8P 141318-53-8P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and alcoholysis-ring cleavage of)  
 RN 130115-09-2 HCPLUS  
 CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-4-[(1,1-dimethyl ethoxy)dimethylsilyl]oxyphenylmethyl]-3-(phenylmethoxy)-, [3S-[3a,4a(R\*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



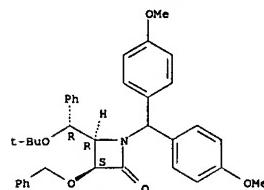
RN 130115-21-8 HCPLUS  
 CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-4-[(1,1-dimethyl ethoxy)phenylmethyl]-3-(phenylmethoxy)-, [3R-[3a,4a(R\*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



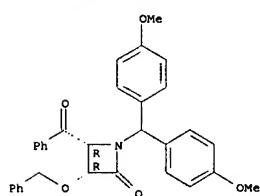
RN 141318-53-8 HCPLUS  
 CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-4-[(1,1-dimethyl ethoxy)phenylmethyl]-3-(phenylmethoxy)-, [3S-[3a,4a(S\*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



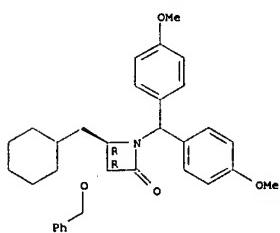
IT 130115-15-0P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and hydride reduction of)  
 RN 130115-15-0 HCPLUS  
 CN 2-Azetidinone,  
 4-benzoyl-1-[bis(4-methoxyphenyl)methyl]-3-(phenylmethoxy)-, [3R-cis]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



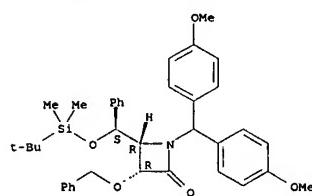
IT 129397-40-6P 130193-82-7P 130193-83-8P  
 141318-55-0P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 129397-40-6 HCPLUS  
 CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-4-(cyclohexylmethyl)-3-(phenylmethoxy)-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



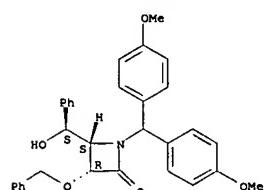
RN 130193-82-7 HCPLUS  
 CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-4-[(1,1-dimethyl ethoxy)dimethylsilyl]oxyphenylmethyl]-3-(phenylmethoxy)-, [3R-[3a,4a(S\*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



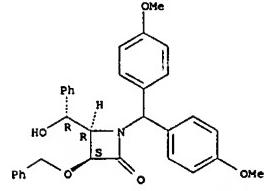
RN 130193-83-8 HCPLUS  
 CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-4-(hydroxyphenylmethyl)-3-(phenylmethoxy)-, [3R-[3a,4a(S\*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 141318-55-0 HCPLUS  
 CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-4-(hydroxyphenylmethyl)-3-(phenylmethoxy)-, [3S-[3a,4a(S\*)]]- (9CI) (CA INDEX NAME)

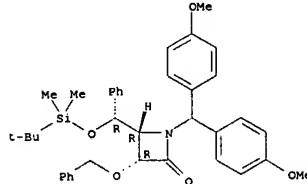
Absolute stereochemistry.



IT 130193-84-9P 130193-85-0P

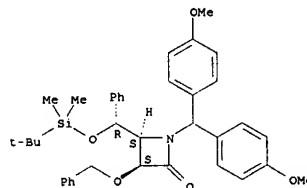
L7 ANSWER 12 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prep., desilylation, or alcoholysis-ring cleavage of)  
 RN 130193-84-9 HCPLUS  
 CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-4-[(1,1-dimethylethyl)dimethylsilyloxy]phenylmethyl]-3-(phenylmethoxy)-, [3R-[3a,4a(R\*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 130193-85-0 HCPLUS  
 CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-4-[(1,1-dimethylethyl)dimethylsilyloxy]phenylmethyl]-3-(phenylmethoxy)-, [3S-[3a,4a(S\*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



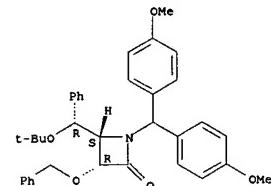
L7 ANSWER 13 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 ACESSION NUMBER: 1992-407787 HCPLUS  
 DOCUMENT NUMBER: 117:7787  
 TITLE: Preparation of (3R)-2-azetidinone derivatives  
 INVENTOR(S): Terajima, Atsuro; Ito, Yoshiro; Takemoto, Yoshiji; Kobayashi, Yuko; Kamijo, Tetsuko; Harada, Hiroshi  
 PATENT ASSIGNEE(S): Kissei Pharmaceutical Co., Ltd., Japan; Sagami Chemical Research Center  
 SOURCE: Jpn. Kokai Tokyo Koho, 15 pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03284665	A2	19911216	JP 1990-85270	19900330
JP 08016099	B4	19960221	JP 1990-85270	19900330

PRIORITY APPLN. INFO.: OTHER SOURCE(S): CASREACT 117:7787; MARPAT 117:7787

IT 130115-21-8P 130193-84-9P 141318-53-8P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and hydrolysis of)RN 130115-21-8 HCPLUS  
 CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-4-[(1,1-dimethylethyl)dimethylsilyloxy]phenylmethyl]-3-(phenylmethoxy)-, [3R-[3a,4a(R\*)]]- (9CI) (CA INDEX NAME)

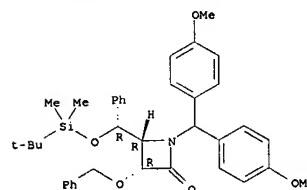
Absolute stereochemistry.



RN 130193-84-9 HCPLUS  
 CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-4-[(1,1-dimethylethyl)dimethylsilyloxy]phenylmethyl]-3-(phenylmethoxy)-, [3S-[3a,4a(R\*)]]- (9CI) (CA INDEX NAME)

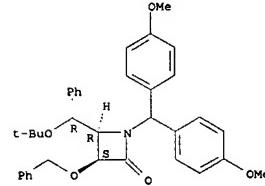
Absolute stereochemistry.

L7 ANSWER 13 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 141318-53-8 HCPLUS  
 CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-4-[(1,1-dimethylethoxy)phenylmethyl]-3-(phenylmethoxy)-, [3S-[3a,4a(S\*)]]- (9CI) (CA INDEX NAME)

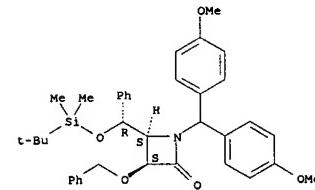
Absolute stereochemistry.



IT 130193-05-0P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 130193-05-0 HCPLUS  
 CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-4-[(1,1-dimethylethyl)dimethylsilyloxy]phenylmethyl]-3-(phenylmethoxy)-, [3S-[3a,4a(S\*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L7 ANSWER 13 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN (Continued)



L7 ANSWER 14 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1992:151547 HCAPLUS  
 DOCUMENT NUMBER: 116:151547  
 TITLE: (3S)-2-Azetidinones as intermediates for bestatin and their preparation  
 INVENTOR(S): Terajima, Atsuro; Ito, Yoshio; Kobayashi, Yuko;  
 PATENT ASSIGNEE(S): Sagami Chemical Research Center, Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.  
 CODEN: JKXKAR  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03236371	A2	19911022	JP 1990-31623	19900214

PRIORITY APPLN. INFO.: JP 1990-31623 19900214

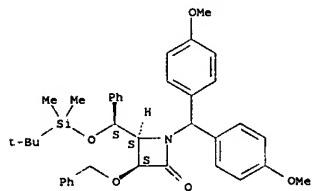
OTHER SOURCE(S): CASREACT 116:151547; MARPAT 116:151547

IT 130115-09-29  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of, as intermediate for bestatin)

RN 130115-09-2 HCAPLUS

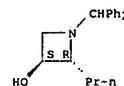
CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-4-[(1,1-dimethylethylid)dimethylsilyl]oxyphenylmethyl]-3-(phenylmethoxy)-, [3S-(3a,4a(R\*))]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



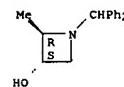
L7 ANSWER 15 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1992:105987 HCAPLUS  
 DOCUMENT NUMBER: 116:105987  
 TITLE: A versatile enantiospecific approach to 3-azetidinolines and aziridines  
 AUTHOR(S): Poch, Marta; Verdaguera, Xavier; Moyano, Albert;  
 Pericas, Miquel A.; Riera, Antoni  
 CORPORATE SOURCE: Dep. Quim. Org., Univ. Barcelona, Barcelona, 08028, Spain  
 SOURCE: Tetrahedron Letters (1991), 32(47), 6935-8  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 116:105987  
 IT 138826-19-4P 138876-39-8P 138876-40-1P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 138826-19-4 HCAPLUS  
 CN 3-Azetidinol, 1-(diphenylmethyl)-2-propyl-, (2R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 138876-39-8 HCAPLUS  
 CN 3-Azetidinol, 1-(diphenylmethyl)-2-methyl-, (2R-trans)- (9CI) (CA INDEX NAME)

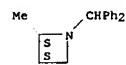
Absolute stereochemistry.



RN 138876-40-1 HCAPLUS  
 CN 3-Azetidinol, 1-(diphenylmethyl)-2-methyl-, (2S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L7 ANSWER 15 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

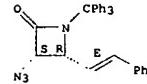


HO

L7 ANSWER 16 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN

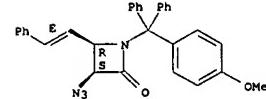
ACCESSION NUMBER: 1991:607716 HCAPLUS  
 DOCUMENT NUMBER: 115:207716  
 TITLE: A simple method for the preparation of cis-(3-azido-4-styryl)-2-azetidinone  
 AUTHOR(S): Hakimolahi, Gholam H.; Sardarian, Ali R.  
 CORPORATE SOURCE: Chem. Dep., Shiraz Univ., Shiraz, Iran  
 SOURCE: Iranian Journal of Chemistry & Chemical Engineering (1990), 13, 19-24  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 115:207716  
 IT 136809-09-1P 136809-10-4P 136809-11-5P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and deblocking of, potassium perchlorate in)  
 RN 136809-09-1 HCAPLUS  
 CN 2-Azetidinone, 3-azido-4-(2-phenylethynyl)-1-(triphenylmethyl)-, [3a,4a(E)]- (9CI) (CA INDEX NAME)

Relative stereochemistry.  
 Double bond geometry as shown.



RN 136809-10-4 HCAPLUS  
 CN 2-Azetidinone, 3-azido-1-[(4-methoxyphenyl)diphenylmethyl]-4-(2-phenylethynyl)-, [3a,4a(E)]- (9CI) (CA INDEX NAME)

Relative stereochemistry.  
 Double bond geometry as shown.

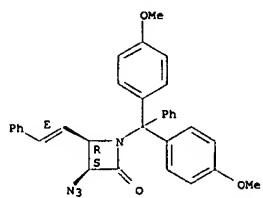


RN 136809-11-5 HCAPLUS  
 CN 2-Azetidinone, 3-azido-1-[bis(4-methoxyphenyl)phenylmethyl]-4-(2-phenylethynyl)-, [3a,4a(E)]- (9CI) (CA INDEX NAME)

Relative stereochemistry.  
 Double bond geometry as shown.

L7 ANSWER 16 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN

(Continued)



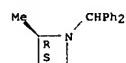
L7 ANSWER 17 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1991:247111 HCPLUS  
 DOCUMENT NUMBER: 114:247111  
 TITLE: Preparation of azetidines as intermediates for antibacterials  
 INVENTOR(S): Frigola-Constanza, Jordi; Colombo-Pinol, Augusto;  
 Pares-Corominas, Juan  
 PATENT ASSIGNEE(S): Laboratorios del Dr. Esteve S.A., Spain  
 SOURCE: Eur. Pat. Appl., 23 pp.  
 CODEN: EPXWDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 406112	A1	19910102	EP 1990-401860	19900628
EP 406112	B1	19941228		
FR 2649100	A1	19910104	FR 1989-8696	19890629
FR 2649100	B1	19940304		
US 5073646	A	19911217	US 1990-541056	19900620
NO 9002866	A	19910102	NO 1990-2866	19900627
NO 175778	B	19940829		
NO 175778	C	19941207		
AU 9057937	A1	19910103	AU 1990-57937	19900627
AU 622332	B2	19920402		
CA 2020097	AA	19901230	CA 1990-2020097	19900628
CA 2020097	C	19970930		
HU 54641	A2	19910328	HU 1990-4024	19900628
HU 208808	B	19940128		
ZA 9005044	A	19910529	ZA 1990-5044	19900628
DD 298911	A5	19920319	DD 1990-342262	19900628
RU 2002739	C1	19931115	RU 1990-4830563	19900628
IN 174570	A	19950107	IN 1990-D658	19900628
JP 03038565	A2	19910219	JP 1990-174318	19900629
ES 2029160	A6	19920716	ES 1990-1914	19900629
			FR 1989-8696	A 19890629
			FR 1989-8698	19890629

PRIORITY APPLN. INFO.:  
 OTHER SOURCE(S): CASREACT 114:247111; MARPAT 114:247111  
 IT 106859-42-1P 132924-39-1P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and reaction of, in preparation of intermediate for antibacterials)  
 RN 106859-42-1 HCPLUS  
 CN 3-Azetidinol, 1-(diphenylmethyl)-2-methyl-, (2R,3S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

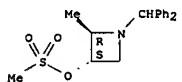
L7 ANSWER 17 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN (Continued)



HO

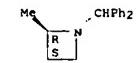
RN 132924-39-1 HCPLUS  
 CN 3-Azetidinol, 1-(diphenylmethyl)-2-methyl-, methanesulfonate (ester), (2R,3S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



IT 133891-54-0P 133891-55-1P 133891-62-0P  
 133891-63-1P 133891-67-5P 133891-69-6P  
 133891-71-1P 133891-72-2P 133891-73-3P  
 133891-74-4P 133963-10-7P 133963-11-0P  
 133963-12-9P 133963-13-0P  
 RL: SPN (Synthetic Preparation); PREP (Preparation)  
 (preparation of, as intermediate for antibacterials)  
 RN 133891-54-0 HCPLUS  
 CN 3-Azetidinamine, 1-(diphenylmethyl)-2-methyl-, (2R,3S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

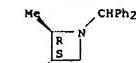


H2N

RN 133891-55-1 HCPLUS  
 CN 3-Azetidinamine, 1-(diphenylmethyl)-2-methyl-, dihydrochloride, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.

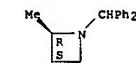
L7 ANSWER 17 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN (Continued)



●2 HCl

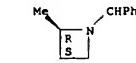
RN 133891-62-0 HCPLUS  
 CN 3-Azetidinamine, 1-(diphenylmethyl)-N,2-dimethyl-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 133891-63-1 HCPLUS  
 CN 3-Azetidinamine, 1-(diphenylmethyl)-N,N,2-trimethyl-, dihydrochloride, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



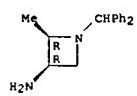
●2 HCl

RN 133891-67-5 HCPLUS  
 CN 3-Azetidinamine, 1-(diphenylmethyl)-2-methyl-, dihydrochloride, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.

L7 ANSWER 17 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN

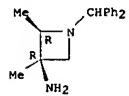
(Continued)



●2 HCl

RN 133891-68-6 HCAPLUS  
CN 3-Azetidinamine, 1-(diphenylmethyl)-2,3-dimethyl-, dihydrochloride,  
(2R-cis)- (9CI) (CA INDEX NAME)

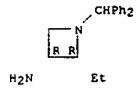
Absolute stereochemistry.



●2 HCl

RN 133891-71-1 HCAPLUS  
CN 3-Azetidinamine, 1-(diphenylmethyl)-2-ethyl-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



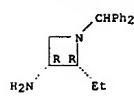
H2N Et

RN 133891-72-2 HCAPLUS  
CN 3-Azetidinamine, 1-(diphenylmethyl)-2-ethyl-, dihydrochloride, cis- (9CI)  
(CA INDEX NAME)

Relative stereochemistry.

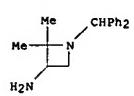
L7 ANSWER 17 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN

(Continued)

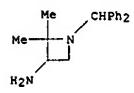


●2 HCl

RN 133891-73-3 HCAPLUS  
CN 3-Azetidinamine, 1-(diphenylmethyl)-2,2-dimethyl- (9CI) (CA INDEX NAME)



RN 133891-74-4 HCAPLUS  
CN 3-Azetidinamine, 1-(diphenylmethyl)-2,2-dimethyl-, dihydrochloride (9CI)  
(CA INDEX NAME)

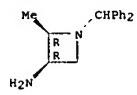


●2 HCl

RN 133963-10-7 HCAPLUS  
CN 3-Azetidinamine, 1-(diphenylmethyl)-2-methyl-, dihydrochloride, (2R-cis)-  
(9CI) (CA INDEX NAME)

Absolute stereochemistry.

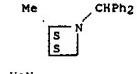
L7 ANSWER 17 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



●2 HCl

RN 133963-11-8 HCAPLUS  
CN 3-Azetidinamine, 1-(diphenylmethyl)-2-methyl-, dihydrochloride, (2S-cis)-  
(9CI) (CA INDEX NAME)

Absolute stereochemistry.

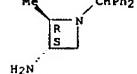


H2N

●2 HCl

RN 133963-12-9 HCAPLUS  
CN 3-Azetidinamine, 1-(diphenylmethyl)-2-methyl-, dihydrochloride,  
(2R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

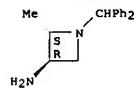


●2 HCl

RN 133963-13-0 HCAPLUS  
CN 3-Azetidinamine, 1-(diphenylmethyl)-2-methyl-, dihydrochloride,  
(2S-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L7 ANSWER 17 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



●2 HCl

RN 133963-14-1 HCAPLUS  
CN 3-Azetidinamine, 1-(diphenylmethyl)-2-methyl-, dihydrochloride, (2R-cis)-  
(9CI) (CA INDEX NAME)

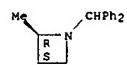
L7 ANSWER 18 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1991:163978 HCAPLUS  
 DOCUMENT NUMBER: 114:163978  
 TITLE: Preparation of azetidinecarboxamides and azetidinecarbothioamides as anticonvulsants and antiepileptics.  
 INVENTOR(S): Taylor, Chandler R., Jr.; Gale, Albert D., Jr.; Stauffer, Harold F., Jr.  
 PATENT ASSIGNEE(S): A. H. Robins Co., Inc., USA  
 SOURCE: U.S., 35 pp. Cont.-in-part of U.S. Ser. No. 706,621, abandoned.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4956359	A	19900911	US 1986-921466	19861022
ZA 8601210	A	19871028	ZA 1986-1210	19860218
AU 8653887	A1	19860904	AU 1986-53887	19860221
RU 599585	B2	19900726		
DK 8600900	A	19860829	DK 1986-900	19860227
DK 169267	B1	19940926		
JP 61210031	A2	19860918	JP 1986-43905	19860228
JP 06099306	B4	19941207		
PRIORITY APPLN. INFO.:			US 1985-706621	B2 19850228

OTHER SOURCE(S): MARPAT 114:163978  
 IT 106859-42-1P 106859-43-2P 106859-46-7P  
 106880-12-0P 132924-39-1P 132924-62-0P  
 132924-63-1P

RL: SBN (Synthetic preparation); PREP (Preparation)  
 (preparation of, as anticonvulant)  
 RN 106859-42-1 HCAPLUS  
 CN 3-Azetidinol, 1-(diphenylmethyl)-2-methyl-, (2R,3S)-rel- (9CI) (CA INDEX NAME)

#### Relative stereochemistry.



HO

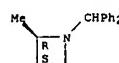
RN 106859-43-2 HCAPLUS  
 CN 3-Azetidinol, 1-(diphenylmethyl)-2-methyl-, trans-, ethanedioate (1:1)  
 (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 106859-42-1

L7 ANSWER 18 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 CMF C17 H19 N O

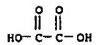
#### Relative stereochemistry.



HO

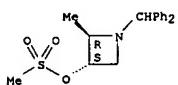
CM 2

CRN 144-62-7  
 CMF C2 H2 O4



RN 106859-48-7 HCAPLUS  
 CN 3-Azetidinol, 1-(diphenylmethyl)-2-methyl-, methanesulfonate (ester), hydrochloride, trans- (9CI) (CA INDEX NAME)

#### Relative stereochemistry.



● HCl

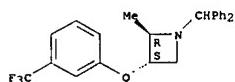
RN 106880-12-0 HCAPLUS  
 CN Azetidine, 1-(diphenylmethyl)-2-methyl-3-[3-(trifluoromethyl)phenoxy]-, trans-, ethanediatoe (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 106880-11-9  
 CMF C24 H22 F3 N O

#### Relative stereochemistry.

L7 ANSWER 18 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



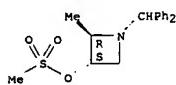
CM 2

CRN 144-62-7  
 CMF C2 H2 O4



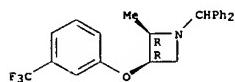
RN 132924-39-1 HCAPLUS  
 CN 3-Azetidinol, 1-(diphenylmethyl)-2-methyl-, methanesulfonate (ester), (2R,3S)-rel- (9CI) (CA INDEX NAME)

#### Relative stereochemistry.



RN 132924-62-0 HCAPLUS  
 CN Azetidine, 1-(diphenylmethyl)-2-methyl-3-[3-(trifluoromethyl)phenoxy]-, cis- (9CI) (CA INDEX NAME)

#### Relative stereochemistry.



RN 132924-63-1 HCAPLUS  
 CN Azetidine, 1-(diphenylmethyl)-2-methyl-3-[3-(trifluoromethyl)phenoxy]-, (2R,3R)-rel-, (Z,E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

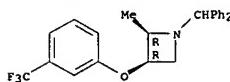
CM 1

CRN 132924-62-0  
 CMF C24 H22 F3 N O

#### Relative stereochemistry.

06/23/2006

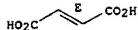
L7 ANSWER 18 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

CRN 110-17-8  
 CMF C4 H4 O4

#### Double bond geometry as shown.



L7 ANSWER 19 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1990:591882 HCPLUS  
 DOCUMENT NUMBER: 113:191882

TITLE: A novel synthesis of the (2R,3S)- and (2S,3R)-3-amino-2-hydroxycarboxylic acid derivatives, the key components of a renin inhibitor and bestatin, from methyl (R)- and (S)-mandelate

AUTHOR(S): Kobayashi, Yuko; Takemoto, Yoshiji; Ito, Yoshio; Terashima, Shiro

CORPORATE SOURCE: Sagami Chem. Res. Cent., Sagamihara, 229, Japan

SOURCE: Tetrahedron Letters (1990), 31(21), 3031-4

CODEN: TELEAY; ISSN: 0040-4039

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 113:191882

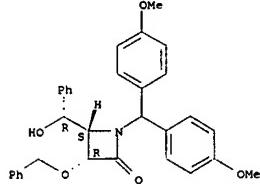
IT 130115-14-9B

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and Swern oxidation of)

RN 130115-14-9 HCPLUS

CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-4-(hydroxyphenylmethyl)-3-(phenylmethoxy)-, [3R-[3a,4a(R\*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 130115-15-0B

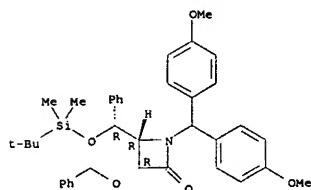
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and hydride reduction of)

RN 130115-15-0 HCPLUS

CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-3-(phenylmethoxy)-, [3R-cis-] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L7 ANSWER 19 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN (Continued)



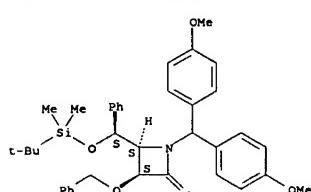
IT 130115-09-2B

RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and sequential alcoholysis, deoxygenation, and deprotection of)

RN 130115-09-2 HCPLUS

CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-4-[{[(1,1-dimethylethyl)dimethylsilyloxy]phenylmethyl}-3-(phenylmethoxy)-, [3S-[3a,4a(R\*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 130193-82-7B 130193-83-8B 130193-85-0B

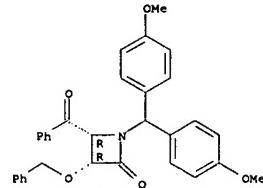
RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)

RN 130193-82-7 HCPLUS

CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-4-[{[(1,1-dimethylethyl)dimethylsilyloxy]phenylmethyl}-3-(phenylmethoxy)-, [3S-[3a,4a(S\*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L7 ANSWER 19 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN (Continued)



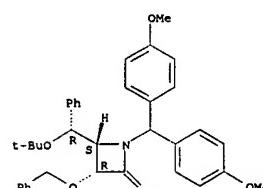
IT 130115-21-8B 130193-84-9B

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and ring opening of, with isopropanol)

RN 130115-21-8 HCPLUS

CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-4-[(1,1-dimethylethoxy)phenylmethyl]-3-(phenylmethoxy)-, [3R-[3a,4a(R\*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

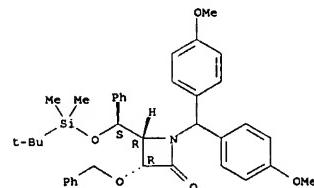


RN 130193-84-9 HCPLUS

CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-4-[[{(1,1-dimethylethyl)dimethylsilyloxy}phenylmethyl]-3-(phenylmethoxy)-, [3R-[3a,4a(R\*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

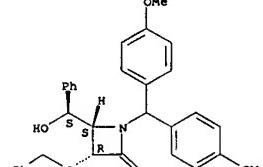
L7 ANSWER 19 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 130193-83-8 HCPLUS

CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-4-(hydroxyphenylmethyl)-3-(phenylmethoxy)-, [3R-[3a,4a(S\*)]]- (9CI) (CA INDEX NAME)

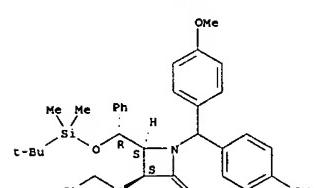
Absolute stereochemistry.



RN 130193-85-0 HCPLUS

CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-4-[[{(1,1-dimethylethyl)dimethylsilyloxy}phenylmethyl]-3-(phenylmethoxy)-, [3S-[3a,4a(S\*)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

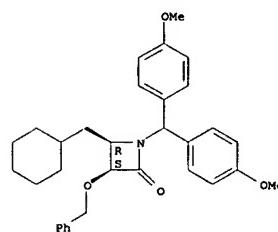


L7 ANSWER 19 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN

(Continued)

L7 ANSWER 20 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1990:552146 HCPLUS  
 DOCUMENT NUMBER: 113:152146  
 TITLE: 4-Cyclohexylmethyl-2-azetidinones and their  
 preparation as intermediates for human renin  
 inhibitors  
 INVENTOR(S): Terajima, Atsuro; Ito, Yoshio; Matsuda, Fuyuhiko;  
 Sakai, Kunikazu; Kamijo, Tetsukyo; Harada, Hiroshi  
 PATENT ASSIGNEE(S): Kissei Pharmaceutical Co., Ltd., Japan; Sagami  
 Chemical Research Center  
 SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:  
 PATENT NO. KIND DATE APPLICATION NO. DATE  
 JP 02121963 A2 19900509 JP 1988-275838 19881031  
 JP 08016098 B4 19960221 JP 1988-275838 19881031  
 PRIORITY APPLN. INFO.: JP 1988-275838 19881031  
 OTHER SOURCE(S): MARPAT 113:152146  
 IT 129426-38-6P RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of, as intermediate for human renin inhibitor)  
 RN 129426-38-6 HCPLUS  
 CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-4-(cyclohexylmethyl)-3-  
 (phenylmethoxy)-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



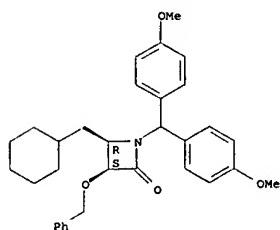
L7 ANSWER 21 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1990:532735 HCPLUS

DOCUMENT NUMBER: 113:132735

TITLE: A novel synthesis of cyclohexylnorstatine isopropyl ester, the C-terminal component of a renin inhibitor  
 AUTHOR(S): Ito, Yoshio; Kamijo, Tetsuhide; Harada, Hiroshi;  
 Terashima, Shiro  
 CORPORATE SOURCE: Sagami Chem. Res. Cent., Sagamihara, 229, Japan  
 SOURCE: Heterocycles (1990), 30(1, Spec. Issue), 299-302  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 113:132735  
 IT 129426-38-6P RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and ring opening of, with isopropanol)  
 RN 129426-38-6 HCPLUS  
 CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-4-(cyclohexylmethyl)-3-  
 (phenylmethoxy)-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.

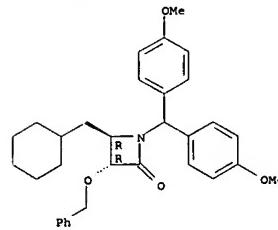


IT 129397-40-6P RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 129397-40-6 HCPLUS  
 CN 2-Azetidinone, 1-[bis(4-methoxyphenyl)methyl]-4-(cyclohexylmethyl)-3-  
 (phenylmethoxy)-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.

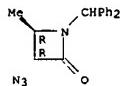
L7 ANSWER 21 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN

(Continued)



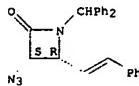
L7 ANSWER 22 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1988:5725 HCPLUS  
 DOCUMENT NUMBER: 108:5725  
 TITLE: *β-Lactams. XII. A study of the synthesis of N-unsubstituted β-lactams, and of 4-styryl monobactams*  
 AUTHOR(S): Dugat, Denise; Just, George; Sahoo, Soumya  
 CORPORATE SOURCE: Dep. Chem., McGill Univ., Montreal, QC, H3A 2K6, Can.  
 SOURCE: Canadian Journal of Chemistry (1987), 65(1), 88-93  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 108:5725  
 IT 111540-20-6P 111540-24-0P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and attempted N-deprotection of)  
 RN 111540-20-6 HCPLUS  
 CN 2-Azetidinone, 3-azido-1-(diphenylmethyl)-4-methyl-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 111540-24-0 HCPLUS  
 CN 2-Azetidinone, 3-azido-1-(diphenylmethyl)-4-(2-phenylethenyl)-, cis- (9CI) (CA INDEX NAME)

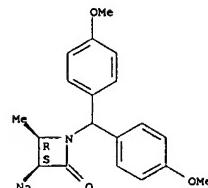
Relative stereochemistry.  
 Double bond geometry unknown.



IT 111540-21-7P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and N-deprotection of, with ceric ammonium nitrate)  
 RN 111540-21-7 HCPLUS  
 CN 2-Azetidinone, 3-azido-1-[bis(4-methoxyphenyl)methyl]-4-methyl-, cis- (9CI) (CA INDEX NAME)

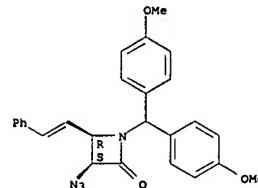
Relative stereochemistry.

L7 ANSWER 22 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN (Continued)



IT 111540-25-1P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 111540-25-1 HCPLUS  
 CN 2-Azetidinone,  
 3-azido-1-[bis(4-methoxyphenyl)methyl]-4-(2-phenylethenyl)-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.  
 Double bond geometry unknown.

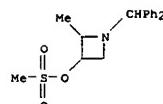


L7 ANSWER 23 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1987:102078 HCPLUS  
 DOCUMENT NUMBER: 106:102078  
 TITLE: 3-(Aryloxy)azetidininecarboxamides having anti-muscle tension, anti-muscle spasticity, anticonvulsant and antiepileptic activity  
 INVENTOR(S): Taylor, Chandler Roy, Jr.; Cale, Albert Duncan, Jr.; Johnson, David Norsseen; Stauffer, Harold Fisher, Jr.  
 PATENT ASSIGNEE(S): A. H. Robins Co., Inc., USA  
 SOURCE: Eur. Pat. Appl., 41 pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PARENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 194112	A1	19860910	EP 1986-301449	19860228
EP 194112	B1	19900523		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
IN 162808	A	19880709	IN 1986-M90	19860210
ZA 8601215	A	19861029	ZA 1986-1215	19860218
AU 8653888	A1	19860904	AU 1986-53888	19860221
AU 599312	B2	19900719		
IL 77956	A1	19890630	IL 1986-77995	19860226
DK 8600901	A	19860828	DK 1986-901	19860227
DK 169422	B1	19940328		
FI 8600847	A	19860829	FI 1986-847	19860227
FI 87559	B	19921015		
FI 87559	C	19930125		
ES 552472	A1	19870501	ES 1986-552472	19860227
CA 1294274	A1	19920114	CA 1986-502877	19860227
JP 61205254	A2	19860911	JP 1986-43906	19860228
JP 06089386	B4	19941207		
AT 52915	E	19900615	AT 1986-301449	19860228
US 5068231	A	19911126	US 1986-921521	19861022
US 5151418	A	19920929	US 1991-743486	19910809
US 5183902	A	19930202	US 1991-743059	19910809
DK 9300368	A	19930329	DK 1993-368	19930329
DK 170270	B1	19950724		
PRIORITY APPN. INFO.:				
		US 1985-706621	A 19850228	
		US 1985-706632	A 19850228	
		EP 1986-301449	A 19860228	
		US 1986-921521	A1 19861022	

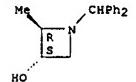
OTHER SOURCE(S): MARPAT 106:102078  
 IT 106859-49-BP  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and conversion to hydrochloride salt)  
 RN 106859-49-8 HCPLUS  
 CN 3-Azetidinol, 1-(diphenylmethyl)-2-methyl-, methanesulfonate (ester) (9CI) (CA INDEX NAME)

L7 ANSWER 23 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN (Continued)



IT 106859-42-1P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and conversion to oxalate or mesylation of)  
 RN 106859-42-1 HCPLUS  
 CN 3-Azetidinol, 1-(diphenylmethyl)-2-methyl-, (2R,3S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



IT 106859-43-2P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and etherification with trifluoromethylbenzene)  
 RN 106859-43-2 HCPLUS  
 CN 3-Azetidinol, 1-(diphenylmethyl)-2-methyl-, trans-, ethanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 106859-42-1

CMF C17 H19 N O

Relative stereochemistry.



HO

CM 2

CRN 144-62-7

CMF C2 H2 O4

L7 ANSWER 23 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN (Continued)



IT 106880-12-0  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation and N-deprotection of)

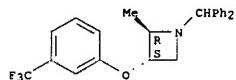
RN 106880-12-0 HCPLUS

CN Azetidine, 1-(diphenylmethyl)-2-methyl-3-(3-(trifluoromethyl)phenoxy)-, trans-, ethanedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 106880-11-9  
CMF C24 H22 F3 N O

Relative stereochemistry.



CM 2

CRN 144-62-7  
CMF C2 H2 O4

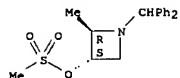
IT 106859-48-7P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 106859-48-7 HCPLUS

CN 3-Azetidinol, 1-(diphenylmethyl)-2-methyl-, methanesulfonate (ester), hydrochloride, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.

L7 ANSWER 23 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN (Continued)



● HCl

L7 ANSWER 24 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1982:423612 HCPLUS

DOCUMENT NUMBER: 97:23612

TITLE:  $\beta$ -Lactams

PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXKAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 57011962	A2	19820121	JP 1980-162901	19801118
JP 01047467	B4	19891013	CA 1980-354817	A 19800625

PRIORITY APPLN. INFO.: CA 1980-354817 A 19800625

IT 77604-02-5 77604-10-5 77604-29-6

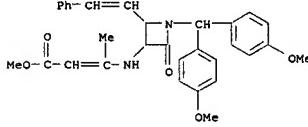
77604-30-9 77604-32-1 77604-33-2

RL: RCT (Reactant); RACT (Reactant or reagent)

(reaction of, with ceric ammonium nitrate)

RN 77604-02-5 HCPLUS

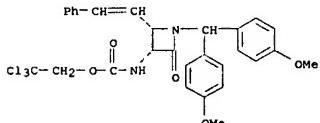
CN 2-Butenoic acid, 3-[1-[bis(4-methoxyphenyl)methyl]-2-oxo-4-(2-phenylethenyl)-3-azetidinyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 77604-10-5 HCPLUS

CN Carbamic acid,

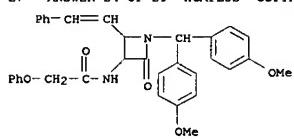
[1-[bis(4-methoxyphenyl)methyl]-2-oxo-4-(2-phenylethenyl)-3-azetidinyl]-, 2,2,2-trichloroethyl ester (9CI) (CA INDEX NAME)



RN 77604-29-6 HCPLUS

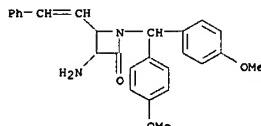
CN Acetamide, N-[1-[bis(4-methoxyphenyl)methyl]-2-oxo-4-(2-phenylethenyl)-3-azetidinyl]-2-phenoxy- (9CI) (CA INDEX NAME)

L7 ANSWER 24 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN (Continued)



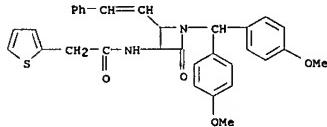
RN 77604-30-9 HCPLUS

CN 2-Azetidinone, 3-amino-1-(bis(4-methoxyphenyl)methyl)-4-(2-phenylethenyl)- (9CI) (CA INDEX NAME)



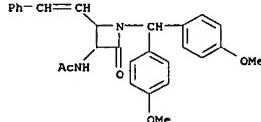
RN 77604-32-1 HCPLUS

CN 2-Thiopheneacetamide, N-[1-[bis(4-methoxyphenyl)methyl]-2-oxo-4-(2-phenylethenyl)-3-azetidinyl]- (9CI) (CA INDEX NAME)



RN 77604-33-2 HCPLUS

CN Acetamide, N-[1-[bis(4-methoxyphenyl)methyl]-2-oxo-4-(2-phenylethenyl)-3-azetidinyl]- (9CI) (CA INDEX NAME)



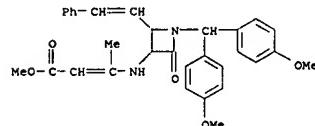
L7 ANSWER 24 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN

(Continued)

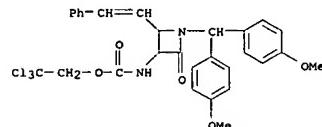
L7 ANSWER 25 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1982:217589 HCPLUS  
 DOCUMENT NUMBER: 96:217589  
 TITLE:  $\beta$ -Lactams  
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 57026660	A2	19820212	JP 1980-102185	19800724
JP 01023461	B4	19890502		
PRIORITY APPLN. INFO.:			JP 1980-102185	A 19800724

IT 77604-02-5P 77604-10-5P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (prepn. and reaction of, with trichloroethyl chloroformate)  
 RN 77604-02-5 HCPLUS  
 CN 2-Butenoic acid, 3-[(1-[bis(4-methoxyphenyl)methyl]-2-oxo-4-(2-phenylethenyl)-3-azetidinyl)-methyl ester (9CI) (CA INDEX NAME)



RN 77604-10-5 HCPLUS  
 CN Carbamic acid,  
 [1-[bis(4-methoxyphenyl)methyl]-2-oxo-4-(2-phenylethenyl)-3-azetidinyl]-, 2,2,2-trichloroethyl ester (9CI) (CA INDEX NAME)



IT 81867-88-1P

L7 ANSWER 25 OF 29 HCPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (prepn. and reaction of, with trichloroethyl chloroformate)

RN 81867-88-1 HCPLUS  
 CN 2-Azetidinone,

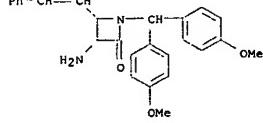
3-amino-1-[bis(4-methoxyphenyl)methyl]-4-(2-phenylethenyl)-

, mono(4-methoxybenzenesulfonate) (9CI) (CA INDEX NAME)

CM 1

CRN 77604-30-9

CMF C26 H26 N2 O3

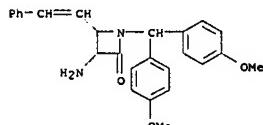


CM 2

CRN 104-15-4

CMF C7 H8 O3 S

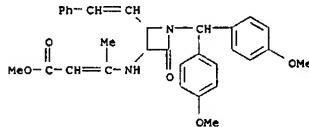
IT 77604-30-9P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 77604-30-9 HCPLUS  
 CN 2-Azetidinone,  
 3-amino-1-[bis(4-methoxyphenyl)methyl]-4-(2-phenylethenyl)-  
 (9CI) (CA INDEX NAME)



L7 ANSWER 26 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1981:192112 HCAPLUS  
 DOCUMENT NUMBER: 94:192112  
 TITLE: Dearlymethylation of N-mono- or N-diaryl methyl-beta-lactams and azetidinones having antibacterial activity  
 INVENTOR(S): Sunagawa, Makoto; Matsumura, Haruki; Inoue, Takaaki; Hirohashi, Toshiyuki  
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan  
 SOURCE: Eur. Pat. Appl., 63 pp.  
 CODEN: EPKXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 23097	A1	19810128	EP 1980-302197	19800630
EP 23097	B1	19840801		
R: BE, CH, DE, FR, GB, IT				
JP 5600758	A2	19810127	JP 1979-82411	19790628
JP 56010165	A2	19810202	JP 1979-85610	19790705
JP 01002588	B4	19890118		
EP 64797	A1	19821117	EP 1982-200761	19800630
EP 64797	B1	19850522		
R: BE, CH, DE, FR, GB, IT				
US 4536334	A	19850820	US 1980-164396	19800630
			JP 1979-82411	A 19790628
			JP 1979-85610	A 19790705
PRIORITY APPLN. INFO.:			EP 1980-302197	A 19800630

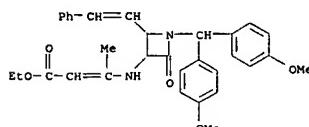
OTHER SOURCE(S): CASREACT 94:192112; MARPAT 94:192112  
 IT 77604-02-5P 77604-10-5P 77604-29-6P  
 77604-32-1P 77604-33-2P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and dealkylation of)  
 RN 77604-02-5 HCAPLUS  
 CN 2-Butenoic acid, 3-[(1-[bis(4-methoxyphenyl)methyl]-2-oxo-4-(2-phenylethenyl)-3-azetidinyl)amino]-, methyl ester (9CI) (CA INDEX NAME)



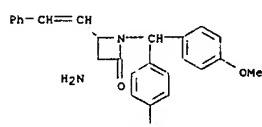
L7 ANSWER 26 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

Ph-CH=CH  
 AcNH  
 MeO-C(=O)-CH=CH-NH-C(=O)-CH2-CH(O)C6H4-OMe  
 OMe

IT 77604-03-6P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 77604-03-6 HCAPLUS  
 CN 2-Butenoic acid, 3-[(1-[bis(4-methoxyphenyl)methyl]-2-oxo-4-(2-phenylethenyl)-3-azetidinyl)amino]-, ethyl ester (9CI) (CA INDEX NAME)

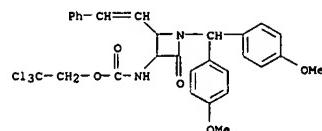


IT 77604-30-9P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation, acylation and dealkylation of)  
 RN 77604-30-9 HCAPLUS  
 CN 2-Azetidinone, 3-amino-1-[(bis(4-methoxyphenyl)methyl)-4-(2-phenylethenyl)- (9CI) (CA INDEX NAME)

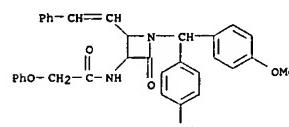


L7 ANSWER 26 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

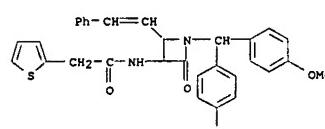
RN 77604-10-5 HCAPLUS  
 CN Carbamic acid, [1-[bis(4-methoxyphenyl)methyl]-2-oxo-4-(2-phenylethenyl)-3-azetidinyl]-, 2,2,2-trichloroethyl ester (9CI) (CA INDEX NAME)



RN 77604-29-6 HCAPLUS  
 CN Acetamide, N-[(1-[bis(4-methoxyphenyl)methyl]-2-oxo-4-(2-phenylethenyl)-3-azetidinyl)-2-phenoxy- (9CI) (CA INDEX NAME)



RN 77604-32-1 HCAPLUS  
 CN 2-Thiopheneacetamide, N-[(1-[bis(4-methoxyphenyl)methyl]-2-oxo-4-(2-phenylethenyl)-3-azetidinyl)- (9CI) (CA INDEX NAME)



RN 77604-33-2 HCAPLUS  
 CN Acetamide, N-[(1-[bis(4-methoxyphenyl)methyl]-2-oxo-4-(2-phenylethenyl)-3-azetidinyl)- (9CI) (CA INDEX NAME)

L7 ANSWER 27 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

ACCESSION NUMBER: 1981:47031 HCAPLUS  
 DOCUMENT NUMBER: 94:47031

TITLE: Synthesis of N-(tolylsulfonyl)azetidin-2-imines  
 AUTHOR(S): Van Camp, A.; Goossens, D.; Moya-Portuguez, M.; Marchand-Brynaert, J.; Ghosez, L.

CORPORATE SOURCE: Lab. Chim. Org. Synth., Univ. Cathol. Louvain, Louvain-la-Neuve, B-1348, Belg.

SOURCE: Tetrahedron Letters (1980), 21(32), 3081-4

DOCUMENT TYPE: Journal

LANGUAGE: English

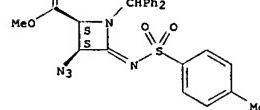
OTHER SOURCE(S): CASREACT 94:47031

IT 76227-69-4P 76227-69-5P

RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)

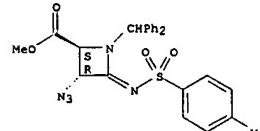
RN 76227-68-4 HCAPLUS  
 CN 2-Azetidinedicarboxylic acid, 3-azido-1-(diphenylmethyl)-4-[(4-methylphenyl)sulfonyl]imino-, methyl ester, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.  
 Double bond geometry unknown.



RN 76227-69-5 HCAPLUS  
 CN 2-Azetidinedicarboxylic acid, 3-azido-1-(diphenylmethyl)-4-[(4-methylphenyl)sulfonyl]imino-, methyl ester, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.  
 Double bond geometry unknown.



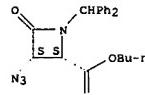
L7 ANSWER 28 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1980:6546 HCAPLUS  
 DOCUMENT NUMBER: 92:6546  
 TITLE: Methods and intermediates for preparing  
*cis*-4-oxazetidine intermediates  
 INVENTOR(S): Gleason, John G.; Holden, Kenneth G.; Huffman,  
 William F.  
 PATENT ASSIGNEE(S): Smithkline Corp., USA  
 SOURCE: U.S., 20 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 3  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4166816	A	19790904	US 1977-821386	19770803
ZA 7602265	A	19770427	ZA 1976-2265	19760414
BB 841234	A1	19761028	BE 1976-166530	19760428
GB 1553430	A	19790926	GB 1979-991	19760505
US 42572674	A	19780207	US 1976-696094	19760614
US 4257947	A	19810324	US 1979-20293	19790314
CH 624670	A	19810814	CH 1980-3792	19800514
CH 627475	A	19820115	CH 1980-3793	19800514
DK 8003003	A	19800711	DK 1980-3003	19800711
DK 8003005	A	19800711	DK 1980-3005	19800711
DK 8003008	A	19800711	DK 1980-3008	19800711
PRIORITY APPLN. INFO.:			US 1975-574225	A2 19750505
			US 1975-626686	A2 19751029
			US 1976-696094	A2 19760614
			DK 1976-1947	A 19760430
			CH 1976-5572	A 19760504
			GB 1976-15246	A 19760505
			US 1977-821386	A3 19770803

OTHER SOURCE(S): MARPAT 92:6546  
 IT 72079-51-7P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and debenzylation of)  
 RN 72079-51-7 HCAPLUS  
 CN 2-Azetidinecarboxylic acid, 3-azido-1-(diphenylmethyl)-4-oxo-, butyl  
 ester, *cis*- (9CI) (CA INDEX NAME)

Relative stereochemistry.

L7 ANSWER 28 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



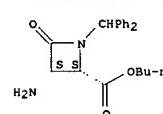
L7 ANSWER 29 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1978:443094 HCAPLUS  
 DOCUMENT NUMBER: 89:43094  
 TITLE: Depthaloylation of phthalimidoazetidinones  
 INVENTOR(S): Kingsbury, William Dennis  
 PATENT ASSIGNEE(S): Smithkline Corp., USA  
 SOURCE: Ger. Offen., 17 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2748258	A1	19780503	DE 1977-2748258	19771027
US 4085100	A	19780418	US 1976-737297	19761101
GB 1592878	A	19810708	GB 1977-43095	19771017
JP 53056696	A2	19780523	JP 1977-128069	19771025
FR 2369258	A1	19780526	FR 1977-32044	19771025
FR 2369258	B1	19800620		
NL 7711945	A	19780503	NL 1977-11945	19771031
PRIORITY APPLN. INFO.:			US 1976-737297	A 19761101

OTHER SOURCE(S): MARPAT 89:43094  
 IT 67098-67-3P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and protective group removal from)  
 RN 67098-67-3 HCAPLUS  
 CN 2-Azetidinecarboxylic acid, 1-(diphenylmethyl)-3-[{2-[(1-methylhydrazinyl)carbonyl]benzoyl}amino]-4-oxo-, butyl ester, *cis*- (9CI) (CA INDEX NAME)

Relative stereochemistry.

L7 ANSWER 29 OF 29 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



IT 67098-68-4P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 67098-68-4 HCAPLUS  
 CN 2-Azetidinecarboxylic acid, 3-amino-1-(diphenylmethyl)-4-oxo-, butyl ester, *cis*- (9CI) (CA INDEX NAME)

Andrew Freistein 10/804,558

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	104.32	439.29

STN INTERNATIONAL LOGOFF AT 15:57:01 ON 23 JUN 2006